PC Product Guide

Germany, Austria & Switzerland – July/August 2003

IBM

IBM ThinkPad Notebooks

IBM ThinkCentre Desktops

IBM NetVista Desktops

IBM IntelliStation Workstations

IBM @server xSeries Servers

IBM ThinkVision Flat Panel & CRT Monitors

IBM Think Accessories & Upgrades

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- Links to other useful IBM information
- Links to the PC Catalogue on PartnerWorld for up-to-date product specifications and prices
- A link to the @server xSeries Configurator

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This website is updated on the 1st of each month with new product and price information

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New ThinkCentre desktops – effortless PC power

The IBM “Think” family of offerings grows stronger with the launch of the NEW ThinkCentre desktops, delivering you performance, stability, manageability and the latest technology.

Desktops with a difference

Innovative IBM design and the very latest PC technologies make ThinkCentre desktops a powerful range of productivity tools for your business.

Tool-less interior saves servicing time

Thanks to new tool-less design, the ThinkCentre S50 ushers in a new era of PC upkeep. Almost every component is tool-less, from the flip-up optical drive and innovative hard disk drive cradle, to the tool-less PCI slots (featured across the range). Even the S50’s system board itself can be quickly removed.

Manageability makes PC ownership easy

Use the powerful tools that are part of ThinkVantage Technologies, including **NEW** IBM Rapid Restore Ultra software. With this preloaded software tool, you can easily backup and restore data and even applications. Use the System Migration Assistant to transfer data and settings to your new IBM desktop or to help your customers with their system migration.

The latest powerful PC technology

Move into the fast lane with the Intel Pentium 4 processor with Hyper-Threading (select models) to experience the benefits of multi-tasking, so nothing slows down the critical applications on your desktop.

New system bus speeds up to 800MHz, PC2700 DDR Memory and faster serial ATA hard drives (on selected models) and Intel integrated graphics deliver excellent desktop performance when you need it most.

Power is nothing without control

The Embedded Security Subsystem (selected models) offers local encryption of files (software download required) – physical security is built into the ThinkCentre chassis as it easily accommodates a Kensington lock and selected models feature a tamper detection switch to alert any unauthorised case activity.

ibm.com/pc/europe/thinkcentre

IBM ThinkVantage Technologies

IBM has launched a new 'Think' strategy to recognise a new approach to end-user computing. It's an approach that goes beyond 'just the box' and instead helps customers with issues such as implementing new technology and software, reducing downtime and support complexity.

The Think Strategy

Most analysts agree that of total end-user computing costs, less than 20% covers hardware and software, with about 80% going to deploying, managing and supporting PCs. IBM and its Business Partners can help customers lower that 80%. With "Think", IBM is committed to expanding its tradition of innovation beyond products to business solutions, and from notebooks to an entire portfolio of technologically advanced offerings.

"...it is IBM's ability to design, build, and manage the parts into whole solutions that positions it as the IT industry's most formidable and influential player." - Intelligent Enterprise (January 2002)

"After surveying 385 multi-vendor end-users and conducting a comprehensive on-site review of IBM's quality initiatives, IBM is the industry's quality leader" - Technology Business Review (October 2000)

IBM ThinkVantage Technologies

Innovative ThinkVantage Technologies help customers in:

- managing the cost of deploying new end-user systems
- providing secure technology implementation
- implementing new technologies (like wireless computing)
- lowering IT costs and increasing productivity

Some examples include:

IBM Embedded Security Subsystem: the industry's first hardware- and software-based security offering consisting of an integrated security chip and downloadable IBM Client Security Software

Rapid Restore PC: one-button recovery solution for your operating system, applications and user data in the event of a software failure

ImageUltra Builder: creates, simplifies and manages images to eliminate the need for manual application installation

System Migration Assistant: facilitates moving or upgrading clients by saving user settings, so no re-creation is necessary

Access Connections: simplifies management of multiple connectivity environments for easy switching and saving of settings

Access IBM: simplifies access to a universe of online and on-system information, resources, and helps to set up, learn about and enhance your computer

And the winner is...
As of the end of 2002, IBM ThinkPad notebooks had won a staggering 1,000 national and international awards for design, performance and usability. And the awards list grows monthly. As for NetVista desktops, they have already collected over 100 awards after three years on the market.

IBM Business Partners

ThinkVantage Technologies are designed to help businesses get ahead. Use this guide to learn more about what IBM offers and how you, as an IBM Business Partner, can help your customers get ahead. Our products have won over 1,100 awards related to leadership design, ease of use and management with innovations such as IBM TrackPoint, HDD Shock Absorber, UltraNav and the ingenious ThinkLight. All of which result in a better computing experience for end users. Make it count for you.

Need more information?

Think strategy	**ibm.com**/pc/europe/think
Client security solutions	**ibm.com**/pc/europe/security
Client data migration and manageability solutions	**ibm.com**/pc/europe/migration
Client wireless solutions	**ibm.com**/pc/europe/wireless

IBM PartnerWorld

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What is IBM PartnerWorld?

Are you looking to increase your margins, sell more products and increase customer satisfaction? To survive in today's cut-throat Personal Systems market, you need every possible advantage to maintain an edge over your competitors.

IBM is committed to providing you with the help you need to grow your business easily and profitably. It has created IBM PartnerWorld, which simplifies and consolidates IBM Business Partner programmes into one single, simple to use offering.

What PartnerWorld offers you

PartnerWorld for personal systems offers a wide range of benefits designed to increase your sales and make it easier to do business with your customers.

Core benefits include:

• **Marketing and sales:** Designed to enable IBM Business Partners that sell or recommend the broad range of IBM products, services and e-business solutions. Offerings include sales and marketing tools, plus customisable marketing collateral to enhance your marketing and communication process.

• **Education:** Provides access to the extensive portfolio of IBM business, sales and technical education offerings, helping you build the skills needed to sell and support the IBM Personal Systems portfolio.

• **Technical support:** Gives you access to technical support on IBM products and solutions, primarily through electronic channels. The support is designed to help you provide your customers with both pre-sales and post-sales support.

Register at PartnerWorld

In order to find out more about the above benefits and register for the 2003 IBM PartnerWorld programme visit:
ibm.com/pc/partnerworld/europe

Incentive Programmes

• **Reseller Advantage Programme :** All IBM Business Partners qualified as Advanced or Premier in 2003 PCD and xSeries Track are entitled to participate in the IBM Reseller Advantage Programme (RAP).

The RAP programme gives additional earning as a rebate paid directly from the IBM Business Partners selected distributor.

IBM Business Partners who qualify as Premier level on PCD and xSeries track have the opportunity to earn bonus RAP payments if additional objectives are met.

• **Know Your IBM Programme :** Know your IBM is a permission marketing programme. It is targeted to individual sales representatives within an IBM Business Partner organisation.

The programme leverages skills and learning to maximise sales. IBM Business Partners sales representatives will be incented to complete 'e-learning' modules that introduce key technologies and strategies as well as providing highlights of how to sell solutions. They can earn rewards based on two aspects of the programme :

1. Successful completion of Learn objectives. This enables sales representatives to raise their awareness level of important strategies and sales and marketing programmes. Rewards are earned in the form of points, when sales representatives successfully complete defined training modules. These Points can then be used to select goods and services from an on-line catalogue

2. Achieve Sell objectives. The more IBM Business Partner sales representatives learn, the more they can win. The more IBM Business Partner sales representatives sell, the more they can earn.

IBM Business Partner sales representatives must be qualified PartnerWorld Premier or Advanced to participate and will have to register with the Know Your IBM programme to activate their entitlement to earn incentives.

Know Your IBM is available in UK, France, Germany, Italy, Denmark, Finland, Norway and Sweden.

Notebooks, Desktop PCs, Optionen, Monitore, Workstations und Server

Die IBM TopSeller für Juli 2003.

TopSeller Juli 2003

Kostengünstig, sofort lieferbar, komplett konfiguriert – und selbstverständlich in führender IBM Technologie und Qualität. Nutzen Sie die Chance und profitieren Sie noch heute!

ThinkPad

ThinkPad R40

- Aufrüstbar mit Cisco® oder Intel® Wireless LAN Technologie
- Modularer Laufwerkschacht Ultrabay Plus
- Integrierte IBM Ultra Connect Antennen
- Integrierter Security Chip
- Rapid Restore PC
- Gewicht ab 2,8 kg
- ThinkLight Tastaturbeleuchtung
- UltraNav (Trackpoint & Touchpad)
- Intel® Pentium®4 Notebookprozessor Typ M
- 256 MB DDR Hauptspeicher / 1GB
- 35,8 cm (14.1) XGA TFT-Display (1024 x 768)
- ATI Mobility Radeon 7000
- 10/100 Ethernet integri ert
- 56 Kbit/s Modem
- 1 Jahr Garantie (Bring-In)

Betriebssystem	Prozessor	Festplatten-kapazität	Laufwerk	Type-Modell	Bestell-Nr.:	Preis
Microsoft® Windows® XP Professional Microsoft® Office XP Small Business	P4 2,0 GHz	30 GB	8x DVD-Laufwerk	2681-FGG	TR3FGxx	EUR 1.380,-*
Microsoft® Windows® XP Professional	P4 2,0 GHz	30 GB	DVD/CD-RW Laufwerk	2681-FJG	TR3FJxx	EUR 1.340,-*

ThinkPad R40

- Intel® 802.11b WiFi Wireless LAN Technologie
- Modularer Laufwerkschaft Ultrabay Plus
- Integrierte IBM Ultra Connect Antennen
- Integrierter Security Chip
- Rapid Restore PC
- Gewicht ab 3,1 kg
- ThinkLight Tastaturbeleuchtung
- UltraNav (Trackpoint & Touchpad)
- Intel® Pentium® M
- 256 MB DDR Hauptspeicher / 2GB
- 38,1 cm (15.0) XGA TFT-Display (1024 x 768)
- ATI Mobility Radeon 7500
- 10/100 Ethernet integriert
- 56 KBit/s Modem
- 1 Jahr Garantie (Bring-in)

Betriebssystem	Prozessor	Festplatten-kapazität	Laufwerk	Type-Modell	Bestell-Nr.:	Preis
mit Microsoft® Windows® XP Professional	P M 1,3 GHz	40 GB	DVD/CD-RW Laufwerk	2722-5MG	TR45Mxx	EUR 1.376,-* Promo bis 31.7.2003

ThinkPad R40

- Aufrüstbar mit Cisco® oder Intel® Wireless LAN Technologie
- Ultrabay Plus
- Integrierte IBM Ultra Connect Antennen
- Integrierter Security Chip
- Rapid Restore PC
- Gewicht ab 3,1 kg
- ThinkLight Tastaturbeleuchtung
- UltraNav (Trackpoint & Touchpad)
- Intel® Pentium® 4 Notebookprozessor Typ M
- 256 MB DDR/ Hauptspeicher / 1GB
- 38,1 cm (15.0) SXGA+ TFT -Display (1400 x 1050)
- ATI Mobility Radeon 7500
- 10/100 Ethernet integriert
- 56 KBit/s Modem
- 1 Jahr Garantie (Bring-in)

Betriebssystem	Prozessor	Festplatten-kapazität	Laufwerk	Type-Modell	Bestell-Nr.:	Preis
mit Microsoft® Windows® 2000 Professional	P4 2,0 GHz	40 GB	DVD/CD-RW Laufwerk	2681-HTG	TR3HTxx	EUR 1.590,-*
mit Microsoft® Windows® XP Professional	P4 2,0 GHz	40 GB	DVD/CD-RW Laufwerk	2681-HSG	TR3HSxx	EUR 1.590,-*

ThinkPad R40e

Abbildung ähnlich

- Rapid Restore PC
- Gewicht ab 2,7 kg
- ThinkLight Tastaturbeleuchtung
- Trackpoint
- 35,8 cm (14.1) XGA TFT-Display (1024 x 768)
- ATI RS 200 MC
- 10/100 Ethernet integriert
- 56 KBit/s Modem
- 256 MB DDR Hauptspeicher / 1 GB
- 1 Jahr Garantie (Bring-in)

Betriebssystem	Prozessor	Festplatten-kapazität	Laufwerk	Type-Modell	Bestell-Nr.:	Preis
mit Microsoft® Windows® XP Home	Intel® Celeron 1,7 GHz	20 GB	24x CD-ROM	2684-54G	TE054xx	**EUR 960,-***
Microsoft® Windows® XP Professional	Intel® Pentium 4 2,2 GHz	30 GB	8x DVD	2684-QVG	TE0QVxx	**EUR 1.120,-***

ThinkPad T40

- Intel® 802.11b WiFi Wireless LAN Technologie
- Rapid Restore PC
- Gewicht ab 1,7 kg
- ThinkLight Tastaturbeleuchtung
- Titanverstärkte Abdeckungen
- Integrierter Security Chip
- UltraNav Cursor-Steuerung
- Intel® Pentium® Notebookprozessor Typ M
- 35,8 cm (14.1) XGA TFT-Display (1024 x 768)
- ATI Mobility Redeon 7500
- 10/100 Ethernet integriert
- 56 KBit/s Modem
- 256 MB DDR Hauptspeicher / 2 GB
- 3 Jahre Garantie (Bring-in)

Betriebssystem	Prozessor	Festplatten-kapazität	Laufwerk	Type-Modell	Bestell-Nr.:	Preis
Microsoft® Windows® XP Professional	P4-M 1,3 GHz	40 GB	DVD/CD-RW	2373-22G	TC122xx	**EUR 1.980,-***
Microsoft® Windows® 2000 Professional	P4-M 1,3 GHz	40 GB	DVD/CD-RW	2373-25G	TC125xx	**EUR 1.980,-***

ThinkPad G40

- Rapid Restore PC
- Gewicht ab 3,6 kg
- ThinkLight Tastaturbeleuchtung
- Trackpoint
- Intel® Pentium® 4 Prozessor
- 38,1 cm (15.0) XGA TFT-Display (1024 x 768)
- 4x USB 2.0
- 10/100 Ethernet integriert
- 56 KBit/s Modem
- 256 MB DDR Hauptspeicher / 1 GB
- 1 Jahr Garantie (Bring-in)

Betriebssystem	Prozessor	Festplatten-kapazität	Laufwerk	Type-Modell	Bestell-Nr.:	Preis
Microsoft® Windows® XP Professional	P4 2,4 GHz	40 GB	DVD/CD-RW	2388-3SG	TG03Sxx	**EUR 1.282,-*** Promo bis 31.7.2003

ThinkPad X31

- Rapid Restore PC
- Gewicht ab 1,6 kg
- ThinkLight Tastaturbeleuchtung
- Titanverstärkte Abdeckungen
- Integrierter Security Chip
- Intel® Pentium® Notebookprozessor Typ M
- 256 MB DDR Hauptspeicher / 1 GB
- 30,7 cm (12.1) XGA TFT-Display (1024 x 768)
- ATI Mobility Radeon M6
- 10/100 Ethernet integriert
- 56 KBit/s Modem
- 3 Jahre Garantie (Bring-in)

Betriebssystem	Prozessor	Festplatten-kapazität	Laufwerk	Type-Modell	Bestell-Nr.:	Preis
Microsoft® Windows® XP Professional	P-M 1,4 GHz	40 GB	optional	2672-C8G	TK1C8xx	**EUR 1.690,-***

* Unverbindliche Preisempfehlung zzgl. MwSt. Angebote gültig, solange Vorrat reicht.

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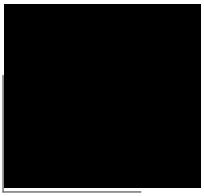
NetVista

NetVista A30



- Intel® Celeron Prozessor
- 128 MB Hauptspeicher / 2 GB
- Intel® 845GL Chipsatz
- Intel® 10/100 Ethernet im Chipsatz
- 3x PCI-Steckplätze
- 2x 3,5; 2x 5,25 Laufwerke
- Rapid Restore
- Desktop ohne Monitor
- 3 Jahre Garantie (Bring-in)

Betriebssystem	Prozessor	Festplatten-kapazität	Laufwerk	Type-Modell	Bestell-Nr.:	Preis
Microsoft® Windows® XP Professional	Celeron 1,7 GHz	40 GB U-IDE Festplatte	48x CD-ROM-Laufwerk	8313-52G	PBT52GE	EUR 424,-* Promo bis 31.7.2003
Microsoft® Windows® 2000 Professional	Celeron 1,7 GHz	40 GB U-IDE Festplatte	48x CD-ROM-Laufwerk	8313-54G	PBT55GE	EUR 424,-* Promo bis 31.7.2003

NetVista A30p

- Intel® Pentium® 4 Prozessor
- 256 MB Hauptspeicher / 2 GB
- Intel® 845G Chipsatz
- Intel® 10/100 Ethernet im Chipsatz
- 3x PCI-Steckplätze
- 1x AGP-Steckplatz
- 2x 3,5; 2x 5,25 Laufwerke
- Rapid Restore PC
- Desktop ohne Monitor
- 3 Jahre Garantie (Bring-in)

Betriebssystem	Prozessor	Festplatten-kapazität	Laufwerk	Type-Modell	Bestell-Nr.:	Preis
Microsoft® Windows® XP Professional	P4 2,4 GHz	40 GB U-IDE Festplatte	48x CD-ROM-Laufwerk	8309-72G	PBT72GE	EUR 730,-*

NetVista A30p

- Intel® Pentium® 4 Prozessor
- 256 MB Hauptspeicher / 2 GB
- Intel® 845G Chipsatz
- Intel® 10/100 Ethernet im Chipsatz
- 3x PCI-Steckplätze
- 1x AGP-Steckplatz
- 3x 3,5; 2x 5,25 Laufwerke
- Rapid Restore PC
- MicroTower ohne Monitor
- 3 Jahre Garantie (Bring-in)

Betriebssystem	Prozessor	Festplatten-kapazität	Laufwerk	Type-Modell	Bestell-Nr.:	Preis
Microsoft® Windows® XP Professional Microsoft® Office XP Small Business	P4 2,4 GHz	40 GB U-IDE Festplatte	48x CD-ROM-Laufwerk	8310-73G	PCX73GE	EUR 940,-*

* Unverbindliche Preisempfehlung zzgl. MwSt. Angebote gültig, solange Vorrat reicht.

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NetVista S42

- 40 GB U-IDE Festplatte
- Intel® 845GV Chipsatz (bei Best.-Nr.: PCM74GE)
- Intel® 845GL Chipsatz (bei Best.-Nr.: PCL71GE)
- Intel® 10/100 Ethernet im Chipsatz
- 2x PCI-Steckplatz
- 2x 3,5; 1x 5,25 Laufwerke
- Rapid Restore PC
- Small Form Factor ohne Monitor
- 3 Jahre Garantie

Betriebssystem	Prozessor	Hauptspeicher	Service	Type-Modell	Bestell-Nr.:	Preis
Microsoft® Windows® XP Professional	P4 2,4 GHz	256 MB / 2 GB	Vor Ort Service	8319-74G	PCM74GE	**EUR 760,-***
Microsoft® Windows® XP Professional	Celeron 1,8 GHz	128 MB / 2 GB	Bring In Service	8317-71G	PCL71GE	**EUR 424,-*** Promo bis 31.7.2003

NetVista M42

- Intel® Pentium® 4 Prozessor
- 256 MB Hauptspeicher / 2 GB
- Intel® 845G Chipsatz
- Intel® 10/100 Ethernet im Chipsatz
- 3x PCI-Steckplätze
- 1x AGP-Steckplatz
- 2x 3,5; 2x 5,25 Laufwerke
- Rapid Restore PC
- Desktop ohne Monitor
- 3 Jahre Garantie (Vor-Ort)

Betriebssystem	Prozessor	Festplatten-kapazität	Laufwerk	Type-Modell	Bestell-Nr.:	Preis
Microsoft® Windows® XP Professional	P4 2,4 GHz	40 GB U-IDE Festplatte	48x CD-ROM-Laufwerk	8305-72G	PCJ72GE	**EUR 800,-***

NetVista M42

- Intel® Pentium® 4 Prozessor
- 256 MB Hauptspeicher / 2 GB
- Intel® 845G Chipsatz
- Intel® 10/100 Ethernet im Chipsatz
- 3x PCI-Steckplätze
- 1x AGP-Steckplatz
- 3x 3,5; 2x 5,25 Laufwerke
- 40 GB U-IDE Festplatte
- Rapid Restore PC
- Micro Tower ohne Monitor
- 3 Jahre Garantie (Vor-Ort)

Betriebssystem	Prozessor	Form factor	Laufwerk	Type-Modell	Bestell-Nr.:	Preis
Microsoft® Windows® XP Professional	P4 2,53 GHz	Micro Tower mit Sicherheitschip	16x DVD-Laufwerk	8307-7AG	PCK7AGE	**EUR 836,-*** Promo bis 31.7.2003
Microsoft® Windows® 2000 Professional	P4 2,4 GHz	Micro Tower	48x CD-ROM-Laufwerk	8307-75G	PCK75GE	**EUR 742,-*** Promo bis 31.7.2003
Microsoft® Windows® XP Professional	P4 2,4 GHz	Micro Tower	48x CD-ROM-Laufwerk	8307-73G	PCK73GE	**EUR 742,-*** Promo bis 31.7.2003

* Unverbindliche Preisempfehlung zzgl. MwSt. Angebote gültig, solange Vorrat reicht.

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Monitore

T541

- 38,1 cm (15'') TFT
- Technologie/Anschluss: Analog
- Helligkeit: 250 (cd/m2)
- Kontrast: 300:1
- Auflösung: 1024 x 768
- Reaktionszeit: 30 ms
- TCO-99
- 3 Jahre Garantie (Rapid Replacement)

	Farbe	Abmessungen	Type-Model	Bestell-Nr.:	Preis
	Stealth Black	36,5 x 20,2 x 34,5 cm	9512-AB1	T41ABEU	**EUR 271,-*** Promo bis 31.7.2003

T170 ThinkVision

- 43,2 cm (17'') TFT
- Technologie/Anschluss: Analog
- Helligkeit: 250 (cd/m2)
- Kontrast: 350:1
- Auflösung: 1280 x 1024
- Reaktionszeit: 25 ms
- TCO-99
- 3 Jahre Garantie (Rapid Replacement)

	Farbe	Abmessungen	Type-Model	Bestell-Nr.:	Preis
	Stealth Black	39,9 x 22,2 x 41,2 cm	6734-AN1	T34ANEU	**EUR 453,-*** Promo bis 31.7.2003

E74

- 40,4 cm (17'') CRT
- Auflösung: 1024 x 768
- Display Farben: 16,7 Millionen
- MPRII
- 3 Jahre Garantie (Rapid Replacement)

	Farbe	Abmessungen	Type-Model	Bestell-Nr.:	Preis
	Stealth Black	41 x 42 x 42 cm	6307-47B	T07B7EU	**EUR 140,-***

C170

- 40,6 cm (17'') CRT
- Auflösung: 1280 x 1024
- Display Farben: 16,7 Millionen
- TCO-99
- 3 Jahre Garantie (Rapid Replacement)

	Farbe	Abmessungen	Type-Model	Bestell-Nr.:	Preis
	Stealth Black	42,2 x 42 x 43,5 cm	6637-66B	T376BEU	**EUR 176,-***

* Unverbindliche Preisempfehlung zzgl. MwSt. Angebote gültig, solange Vorrat reicht.

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Optionen

ThinkPad Netzteil

- Netzteil für ThinkPad Notebooks der X, T, R, A Serie

Bestell-Nr.:	Preis
02K6701	EUR 61,-*

Portable 40 GB USB 2.0 HD mit Rapid Restore

Abbildung ähnlich

- Kompatibel zu 1.1 Komponenten
- IBM Rapid Restore Software
- 40 GB Portabler Massenspeicher
- Plug and play für Windows 2000 und XP

Bestell-Nr.:	Preis
09N4255	EUR 311,-*

ThinkPad Mini-Dock

- Integriertes Schloss zum Sichern
- inkl. Netzteil
- kompatibel für X, T, R, A Serie
- Serielle / parallele Schnittstelle
- SVGA Schnittstelle
- Line-in / Line-out
- Tastatur/Maus Anschluss
- Anschluss für Diskettenlaufwerk
- RJ11 Anschluss / RJ45 Anschluss (10/100/1000 GB Ethernet passthrough)
- DVI Anschluss

Bestell-Nr.:	Preis
67P8984	EUR 286,-*

ThinkPad Port Replikator II

Abbildung ähnlich

- kompatibel für X, T, R, A Serie
- Serielle / parallele Schnittstelle
- SVGA Schnittstelle
- Line-in / Line-out
- Tastatur / Maus Anschluss
- Anschluss für Diskettenlaufwerk
- Tastatur/Maus Anschluss
- Anschluss für Diskettenlaufwerk
- RJ11 Anschluss / RJ45 Anschluss (10/100/1000 GB Ethernet passthrough)

Bestell-Nr.:	Preis
74P6733	EUR 154,-*

iLM300 MicroPortable Projector

- Contrast Ratio 1:800
- Helligkeit: 1100 Lumen
- Auflösung: XGA (1024 x 768)
- Abmessungen: 154 x 195 x 63,6 mm
- Gewicht: 1,1 kg
- 3 Jahre Garantie

Bestell-Nr.:	Preis
31P6913	EUR 2.257,-* Promo bis 31.7.2003

* Unverbindliche Preisempfehlung zzgl. MwSt. Angebote gültig, solange Vorrat reicht.

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Intellistation

IntelliStation M Pro

- Intel® Pentium® 4 Prozessor
- 512 MB DDR Hauptspeicher
- 40 GB EIDE Festplatte
- nVIDA Quadro4 580 XGL
- 3 Jahre Garantie (Vor-Ort)

Betriebssystem	Prozessor	Display	Festplatten-kapazität	Laufwerk	Bestell-Nr.:	Preis
Microsoft® Windows® XP Professional	P4 2,67 GHz	ohne Monitor	40 GB	CD-RW	KT723xx	EUR 1.370,-*

IntelliStation M Pro

- Intel® Pentium® 4 Prozessor
- 512 MB DDR Hauptspeicher
- 36,4 GB SCSI Festplatte
- 1394 IEEE
- nVIDIA Quadro4 980 XGL
- 3 Jahre Garantie (Vor-Ort)

Betriebssystem	Prozessor	Display	Festplatten-kapazität	Laufwerk	Bestell-Nr.:	Preis
Microsoft® Office ® XP Professional	P4 2,8 GHz	ohne Monitor	36,4 GB	CD-RW	KT738xx	EUR 2.020,-*

* Unverbindliche Preisempfehlung zzgl. MwSt. Angebote gültig, solange Vorrat reicht.

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eServer

xSeries 205

- Intel® Pentium® 4 Prozessor
- 512 KB Cache
- 256 MB DDR SDRAM (max. 2 GB) Hauptspeicher
- 533 MHz FSB
- Diskettenlaufwerk 3,5
- Ethernet integr. 10/100/1000 Base TX (RJ45)
- Mini Tower Modell
- 1 Jahr Garantie (Vor-Ort)

	Prozessor	Festplatten-kapazität	Laufwerk	Bestell-Nr.:	Preis
	P4 2,40 GHz	1x 36,4 GB Ultra 160 SCSI NHP Festplatte	CD-ROM EIDE 48 fach	P032XGE	EUR 960,-*
	P4 2,67 GHz	1x 36,4 GB Ultra 160 SCSI NHP Festplatte	CD-ROM EIDE 48 fach	P042GGE	EUR 1.050,-*

xSeries 225

- Intel® Pentium® 4 Prozessor XEON DP (max. 2)
- 512 KB Cache
- ServeRAID 5i Controller (bei Bestell-Nr.: P74CGGE)
- 533 MHz FSB
- Diskettenlaufwerk 3,5
- Ethernet integr. 10/100/1000 Base TX (RJ45)
- Tower, optional Rack Modell
- 1 Jahr Garantie (Vor-Ort)

	Prozessor	Hauptspeicher	Festplatten-kapazität	Laufwerk	Bestell-Nr.:	Preis
	P4 2,40 GHz	256 MB	1x 36,4 GB Ultra 320 SCSI NHP Festplatte	CD-ROM 48 x max.	P732GGE	EUR 1.305,-*
	P4 2,67 GHz	256 MB	1x 36,4 GB Ultra 320 SCSI NHP Festplatte	CD-ROM 48 x max.	P742GGE	EUR 1.375,-*
	P4 2,67 GHz	512 MB	3x 36,4 GB Ultra 320 SCSI NHP Festplatte	CD-ROM 48 x max.	P74CGGE	EUR 1.955,-*

xSeries 335

- 2x Intel® Xeon DP Prozessor (max. 2)
- 512 KB Cache, ultraflach rackoptimiert 1HE
- Diskettenlaufwerk 3,5
- Dual Ethernet integr. 10/100/1000 Base TX (RJ45)
- Systems Management Prozessor
- Power Supply 1x 332 Watt
- 3 Jahre Garantie (Vor-Ort)

	Prozessor	Hauptspeicher	Festplatten-kapazität	Front-Side-Bus	Bestell-Nr.:	Preis
	Xeon 3,06 GHz	1 GB DDR DSRAM	2x 36,4 GB U320 SCSI HS	533 MHz	P621GGE	EUR 3.240,-*
	Xeon 2,8 GHz	1 GB DDR DSRAM	2x 36,4 GB U320 SCSI HS	533 MHz	P611GGE	EUR 2.990,-*

* Unverbindliche Preisempfehlung zzgl. MwSt. Angebote gültig, solange Vorrat reicht.

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xSeries 235

- Intel® Xeon DP Prozessor (max.2)
- 512 KB Cache
- 512 MB Hauptspeicher DDR SDRAM ECC (max. 12 GB)
- 3x HotSwap 36 GB Ultra 320 SCSI (max. 9) Festplattenspeicher
- Diskettenlaufwerk 3,5
- Integr. Dual Ch. U320 SCSI Cont.
- ServeRAID 5i U320 SCSI Contr.
- Ethern. PCI-X10/100/1000 Base TX
- Systems Management Prozessor
- Redund. Power Supply 2x 560 Watt
- 3 Jahre Garantie (Vor-Ort)

Prozessor	Front-Side-Bus	Laufwerk	Bestell-Nr.:	Preis
Xeon 2,4 GHz	400 MHz	CD-ROM 48 fach	K14BXGE	EUR 3.300,-*
Xeon 2,67 GHz	533 MHz	CD-ROM 48 fach	K16BGGE	EUR 3.300,-*
Xeon 2,8 GHz	533 MHz	CD-ROM 48 fach	K17BGGE	EUR 3.520,-*

xSeries 345

- Intel® Xeon DP Prozessor (max. 2)
- 512 KB Cache
- Diskettenlaufwerk 3,5
- Integr. Dual U320 SCSI Cont.
- ServeRAID 5i U320 SCSI Contr.
- 533 MHz FSB
- Systems Management Prozessor
- Dual Ethernet integr. 10/100/1000
- Redund. Power Supply 2x 350 Watt
- Rack Gehäuse mit 2HE
- 3 Jahre Garantie (Vor-Ort)

Prozessor	Hauptspeicher	Festplatten-kapazität	Laufwerk	Bestell-Nr.:	Preis
2x Xeon 2,8 GHz	512 MB SDRAM DDR ECC Chipkill	3x HotSwap 36 GB U320 SCSI	CD-ROM 48 fach	K062GGE	EUR 4.310,-*
2x Xeon 2x 2,67GHz	512 MB SDRAM DDR ECC Chipkill	3x HotSwap 36 GB U320 SCSI	CD-ROM 48 fach	K052GGE	EUR 4.050,-*

* Unverbindliche Preisempfehlung zzgl. MwSt. Angebote gültig, solange Vorrat reicht.

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Drucker

Infoprint 1312

- Laserdrucker für Einzelnutzer und kleine Arbeitsgruppen
- max. 19 DIN A4 Seiten/Minute
- 16 MB Hauptspeicher
- 200 MHz Prozessor
- Papiereingabe (Standard) 150 Blatt
- Ablagefach (Standard) 100 Blatt
- Geringer Platzbedarf
- Standard: PostScript L3 und PCL6

- ohne Druckerkabel
- 1 Jahr Garantie (Vor-Ort-Austausch)

	Type-Modell	Bestell-Nr.	Preis
Parallel und USB Anschlüsse	4519-002	75P4184	EUR 339,-*
Fast Ethernet und USB Anschlüsse	4519-N02	75P4185	EUR 529,-*
ServicePac 1312 (3 Jahre Vor-Ort-Austauschservice, inkl. Garantie)		61P7654	EUR 87,20*

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Accessories for TopSeller – Compatibility with TopSeller Systems – July 2003

		THINKPAD MODELS						NETVISTA MODELS			
		R40e	R40	R40	X31	G40	T40	A30	A30p	M42	S42
ACCESSORY / MONITOR DESCRIPTION	**Part Number**	2684	2722	2681	2672	2388	2373	8313	8309, 8310	8305, 8307	8319
AC Power Adapters											
ThinkPad 72W AC Adapter - EU	02K6701	•	•	•	•		•				
ThinkPad 72W AC Adapter - Denmark	02K6702	•	•	•	•		•				
ThinkPad 72W AC Adapter - South Africa	02K6703	•	•	•	•		•				
ThinkPad 72W AC Adapter - UK	02K6704	•	•	•	•		•				
ThinkPad 72W AC Adapter - Switzerland	02K6705	•	•	•	•		•				
ThinkPad 72W AC Adapter - Italy	02K6706	•	•	•	•		•				
ThinkPad 72W AC Adapter - Israel	02K6707	•	•	•	•		•				
Batteries											
ThinkPad X30 Series Extended Life Battery	02K7041				•						
ThinkPad R32 Li-Ion Battery	02K7052		•	•							
ThinkPad Ultrabay 2000 Li-Ion Battery	02K6646	•	•	•							
ThinkPad T40 Series High Capacity Li-Ion	08K8197						•				
ThinkPad R40e Li-Ion Battery	08K8218	•									
Carrying Cases											
ThinkPad Alpha Carry Case	09N4171	•	•	•	•	•	•				
Desktop Expansion											
ThinkPad Mini-Dock – EU	67P8984			•	•						
ThinkPad Mini-Dock – Denmark	67P8985			•	•						
ThinkPad Mini-Dock - South Africa	67P8986			•	•						
ThinkPad Mini-Dock –UK	67P8987			•	•						
ThinkPad Mini-Dock – Switzerland	67P8988			•	•						
ThinkPad Mini-Dock – Italy	67P8989			•	•						
ThinkPad Mini-Dock – Israel	67P8990			•	•						
ThinkPad Mini-Dock - Saudi Arabia	92P2801			•	•						
ThinkPad Port Replicator II	74P6733		•	•	•		•				
ThinkPad X3 Ultrabase	46P7912				•						
Storage											
40GB Portable USB 2.0 Hard Drive with Rapid	09N4255	•	•	•	•	•	•		•	•	•
CD-RW/DVD Combo IV Ultrabay 2000 Drive	22P6991		•	•							
Memory											
256MB PC2100 NP DDR SDRAM SODIMM	10K0030	•	•	•		•	•				
512MB PC2100 NP DDR SDRAM SODIMM	10K0032	•	•	•		•	•				
256MB PC2100 NP DDR SDRAM UDIMM	33L3304							•	•	•	•
512MB PC2100 NP DDR SDRAM UDIMM	33L3306							•	•	•	•
Mice											
Optical 3-Button Travel Wheel Mouse	31P7410	•	•	•	•	•	•				
TopSeller CRT Monitors											
E74 17" (15.9" VIS) MPR-II - Stealth black	T07B7xx	•	•	•	•	•	•	•	•	•	•
C170 17" (16.0 VIS) TCO-99 - Stealth black	T376Bxx	•	•	•	•	•	•	•	•	•	•
TopSeller Flat Panel Monitors											
T541 15" Analogue TCO-99 - Stealth black	T41ABxx	•	•	•	•	•	•	•	•	•	•
L170 17" Analogue TCO-99 - Stealth black	T34ANxx	•	•	•	•	•	•	•	•	•	•

Note: Refer to current catalogues for complete details of compatibility, including any conditions, qualifications and pre-requisites.

Accessories for TopSeller – Reasons To Buy

Travelling frequently on business ? An AC Power Adapter can make mobility easier !
AC Adapters allow you to use your ThinkPad and re-charge the system battery at the same time.
Keep one at the office, one in your carrying case and leave one at home -- save your battery for powering the ThinkPad while away from power outlets.
Want to stay mobile for longer ? An extra Battery could be the answer !
By keeping a spare system battery handy for those places where a spare power outlet is not readily available, you can stay productive for longer.
Taking your ThinkPad everywhere with you ? A Carrying Case can protect it and your accessories !
An air cushion protection system protects your ThinkPad from all the bumps and jostles during travel.
With plenty of space for accessories, files and pads and a slot for an umbrella and newspaper, it comes with a limited lifetime warranty.
Need to re-attach accessories every time you return to your desk ? A ThinkPad Mini-Dock manages your accessories and cabling !
It provides port replication PLUS expansion capability (4 USB 2.0, serial, parallel, external monitor, 1 keyboard and 1 mouse port).
It also features an integrated key-lock for enhanced security and includes a 120W AC power adapter.
Spending time between conference rooms and your desk ? A Port Replicator simplifies re-connection of your peripherals !
Replicates ThinkPad ports for easy desktop attachment of power and external accessories to ThinkPad X, T, R and A Series notebooks.
It provides basic cable management for quick access to office devices including printer, monitor, keyboard, mouse and speakers.
Concerned about losing critical data ? The Portable USB 2.0 Hard Drive with Rapid Restore PC software is an effective back-up solution !
RRPC increases uptime by saving a complete image of your operating system, applications and user data to a protected partition of the drive.
In the event of system software, or primary drive, failure, the drive is bootable (on systems with appropriate BIOS) to help enable system recovery.
Need an effective way to share data and keep it secure ? An optical combo drive does the trick !
A combo drive allows you to read and write CDs, and read multiple DVD formats.
Includes software to simplify CD burning and DVD movie navigation.
Interested in increasing the performance of your system ? Adding more Memory is the most effective and least expensive way !
Upgrading from 128MB to 256MB can boost performance by up to 25%. From 128MB to 512MB the boost can be up to 36%.
Only IBM Memory will assume the warranty of the IBM system in which it is installed.
Prefer to use a mouse rather than TrackPoint or UltraNav devices ? Then invest in a compact travel mouse !
Fitting comfortably in either hand, the 3-Button Travel Wheel Mouse has rubberised sides and uses 800dpi optical technology for accurate control.
There is no mechanical ball to get dirty, dusty, or lost, and optical technology works on many surfaces, so a mouse mat is not required.
Like to see a larger representation of your data ? One of our CRT Monitors could do the job !
Compared to equivalent flat panel monitors, CRTs are cheaper, generally brighter, have smaller dot pitches and offer better display mode flexibility.
The E74 FST monitor is a good choice for running basic applications such as web browsing, email, spreadsheets, word processing and data entry.
The flat CRT of the C170 monitor minimises glare and has a higher addressability coupled with a very small dot pitch for sharp text and clear graphics.
Don't have much room on your desk for a CRT Monitor ? All our Flat Panel Monitors are very space-efficient !
Compared to equivalent CRT monitors, flat panels are smaller, can be placed side-by-side, arm-mounted, have lower emissions and need less power.
A monitor, a separate keyboard, a mouse and dock or port replicator can provide a better ergonomic desktop solution for ThinkPad users.
Equivalent to a 17" CRT monitor, the 15" T541 is IBMs smallest monitor, and is ideal for space-constrained and/or reception areas.
Equivalent to a 19" CRT monitor, the 17" L170 has a native flicker-free addressability of 1280 x 1024 and automatic image setup for optimal viewing.

Software tools

IBM provides you with a wealth of software tools, either pre-loaded on your system or downloadable, to help you get the most out of your IBM ThinkPad notebooks, IBM ThinkCentre and NetVista desktops. Below is a selection of the tools available.

PC technology made easy

Access IBM provides easy access to online and on-system information including self-diagnosis tools and IBM Service and Support. This comprehensive resource also helps with set up and enhancements for your system.

IBM Access Connections software helps you manage your wired and wireless settings. It enables you to quickly switch the network and Internet settings by choosing a defined location profile. By switching the location profile, you can connect to the network instantly without reconfiguring your settings when you move from office to home or to the road.

Battery MaxiMiser helps you get the most out of your ThinkPad computer between battery charges. Use this wizard to select the best extended power scheme for what you need to do. Extended power schemes enable you to save power by disabling devices you don't need.

Lotus SmartSuite goes beyond traditional office suites to bring you better value and a better way to work the Web. Lotus SmartSuite features an award-winning spreadsheet, word processor, time and contact manager, presentation graphics software and more. With each ThinkPad notebook and NetVista desktop you receive the licence for Lotus SmartSuite Millennium and Lotus Notes Standalone Client (CD not included).

Better protection for your data and assets

Rapid Restore PC is the easy-to-use, automatic backup and recovery solution for home and office. With this software, you can safeguard your valuable data and protect yourself from everyday problems that occur. Simply hit the F11 key in the event of software failure to restore your system.

Norton AntiVirus is the world's leading anti-virus software. Just install it and forget it! It's always working in the background to protect your PC, and now it automatically updates its virus definitions when you're connected to the Internet. It also scans files you download from the Web, as well as attachments you get through e-mail.

IBM Asset ID is an exciting application of radio-frequency technology that can eliminate many of the costly, time-consuming manual steps involved in today's system deployment, inventory and tracking processes.

From old system to new

Software Delivery Assistant (SDA), a new Universal Manageability (UM) tool from IBM, simplifies the deployment of IBM PC systems. SDA can significantly reduce the number of application sets your IT organisation is required to manage and maintain. SDA can also help you satisfy the needs of multiple business groups within your company by creating a single corporate-standard set of applications that may be selectively or automatically installed.

System Migration Assistant (SMA) simplifies the transfer of several key elements from a user's existing computer environment to a new computer, which saves time and money.

Need more information?

IBM PC software tools www.pc.**ibm.com**/ww/resources/software/

ThinkPad and Intel® Centrino™ mobile technology

NEW! IBM ThinkPad notebooks with Intel Centrino mobile technology let you experience secure, easy wireless computing so you can stay connected for longer and improve the way you work.

- IBM offers the most secure wireless computing with industry-standard wireless encryption combined with the **IBM Embedded Security Subsystem** (select models). This unique hardware and downloadable software combination helps protect important data, passwords and encryption keys, providing a level of protection that is not available as a standard feature on a PC from any other manufacturer.

- **IBM Access Connections** software helps you manage your wired and wireless settings. It enables you to quickly switch the network and Internet settings by choosing a defined location profile. By switching the location profile, you can connect to the network instantly without reconfiguring your settings when you move from office to home or to the road.

- **IBM UltraConnect Antenna** on select models is built into the display for enhanced signal strength and supports multiple frequencies to optimise coverage and performance for improved wireless LAN connectivity around the world.

These innovative features make ThinkPad notebooks an ideal fit for Intel Centrino mobile technology, which is designed specifically for the mobile world.

Purchasing IBM ThinkPad notebooks with Intel Centrino mobile technology

ThinkPad T40
Perfect balance of performance and portability
- Travel weight starting at about 2kg and 25mm thin with a 14.1" TFT
- Long battery life, plus options that extend battery life up to 8.5 hours, lets you stay unplugged longer
- Ultrabay Slim modular bay lets you tailor your notebook with lighter 9.5mm drive options

ThinkPad X31
Extreme mobility in a small and light ultraportable
- Starting at 1.6kg and about 25mm thin with a 12.1" TFT
- All-day battery life (up to 9 hours on select models with system battery plus optional extended life battery)
- Highly expandable with the optional ThinkPad X3 UltraBase for the office or road

ThinkPad R40
Best blend of portability and essential features
- Travel weight starting at 2.5kg with a choice of TFTs up to 15"
- Ultrabay Plus modular bay lets you tailor your notebook with options such as a second battery
- ThinkPad UltraNav multi-pointing system, featuring TrackPoint and touch pad, lets you work how you want

What is Intel Centrino?

Intel Centrino mobile technology with wireless LAN capabilities based on IEEE 802.11b delivers cutting-edge system performance and low-power enhancements to help enable extended battery life in thinner, lighter notebooks.

With Intel Centrino mobile technology, three components work together to deliver a breakthrough in freedom and capability: Intel Pentium M Processor, Intel PRO/Wireless Network Connection and Intel 855 PM/GM Chipset.

IBM ThinkPad family of notebooks

Highlights

IBM UltraConnect Antenna

The innovative UltraConnect Antenna is built into the display of select ThinkPad models for enhanced wireless signal strength. It also supports multiple frequencies to optimise coverage and performance for improved wireless LAN connectivity around the world.

Embedded security

The TCPA-compliant IBM Embedded Security Subsystem 2.0 on select ThinkPad notebooks provides a higher level of security with a unique hardware- and software-based solution. This ThinkVantage Technology can encrypt data to virtually 'lock' private information. (Requires download of security software from IBM)

Ease of use

Select T and R Series notebooks feature the ThinkPad UltraNav multi-pointing system, an example of IBM ThinkVantage Design. It combines the latest full-function TrackPoint pointing device with an IBM-customised touch pad, letting you work the way you want.

One-touch access

Access IBM provides easy access to online and on-system information including self-diagnosis tools and IBM Service and Support. IBM Access Connections software helps you manage your wired and wireless settings.

Award-winning service and support

Recognised by PC Pro as having by far the lowest level of PC component failures and impressive level of service.

Expandability

An integrated, easy-loading, hot-swappable modular bay allows for fast-swapping of optional Ultrabay 2000 and hot-swappable Ultrabay Plus devices. Ultrabay accessories provide additional expansion capability so you can tailor your ThinkPad notebook to meet your computing needs.

Which ThinkPad Notebook is right for you?

A Series

- High Performance desktop alternatives
- Powerful ATI Mobility graphics
- 15" TFT display and two swappable bays

G Series

- Desktop alternatives for ultimate in flexibility
- Powerful Pentium 4 processors
- Two integrated drives

T Series

- Perfect balance of performance and portability
- Travel weight 2kg, titanium composite cover
- Ultrabay Plus modular bay

R Series

- Blend of portability and essential features
- Travel weight starts at 2.4kg
- Ultrabay plus modular bay

X Series

- Extra light, extra small ultraportable
- Travel weight 1.6kg and 12" TFT display
- Up to 5hrs of battery life

Function

Portability

Best blend of portability and essential features

IBM ThinkPad R Series

Highlights

• Travel weight starting at 2.4kg and up to 15" TFT display

• IBM ThinkPad UltraNav multi-pointing system on R40 models features a touch pad and TrackPoint, letting you work the way you want

• Choose from Cisco 802.11b, IBM 11a/b Wi-Fi wireless or Intel Centrino (select models). Plus, with the Embedded Security Subsystem, IBM offers the most secure wireless computing

• IBM Rapid Restore PC for creating a complete image backup in a protected partition on the hard drive

• Ultrabay Plus modular bay for fast swapping of optional media and storage devices

• Access IBM provides easy access to online and on-system information including self-diagnosis tools and IBM Service and Support

Specifications

Processor/Level 2 cache	R40e: Mobile Intel Pentium 4 Processor-M at 1.8GHz/512KB or Intel Celeron Processor at 1.7GHz/256KB. R40: Intel Pentium M Processor to 1.5GHz/1MB, Mobile Intel Pentium 4 Processor-M to 2.2GHz/512KB or Intel Celeron Processor to 1.8GHz/256KB. R32: Mobile Intel Pentium 4 Processor-M to 2.0GHz/512KB.
Memory (std./max.)	R40e: 128 or 256MB/1GB PC133 DDR SDRAM. R40 & R32: 256MB/1GB PC2100 DDR SDRAM.
Display/resolution	R40: 14.1" or 15" TFT XGA/1024x768. R40e & R32: 14.1" TFT XGA/1024x768.
Hard disk drive	20, 30, 40 or 60GB depending on model
Video graphics	R40: ATI Mobility RADEON 7500 16 or 32MB. R40 & R32: ATI Mobility RADEON 7000 16MB video memory. R40e: ATI Mobility RADEON IGP 330M 16MB . R40e: ATI Mobility RADEON IGP 330M 16MB.
Optical drive	DVD-ROM 8X Max, CD-ROM 24X or CD-RW/DVD-ROM Combo depending on model
Communications	R40e: 10/100 Ethernet and 56K modem. R40: 10/100 Ethernet, 56K modem, Wi-Fi wireless upgradeable with built-in antenna. Select R40 models: Cisco 802.11b or Intel PRO/Wireless Network Connection or IBM 11a/b Wi-Fi Wireless. R32: 10/100 Ethernet and 56K modem. Select models: Cisco 802.11b, Wi-Fi wireless or Wi-Fi wireless upgradeable.
IBM Embedded Security Subsystem 2.0	Select R40 & R32 models
Li-Ion battery life	R40: 4.7-6.2hr or 3.4-4hr (model type 2723); R40e: 2.5hr; R32: 3-3.1hr
Audio	SoundBlaster Pro 16 compatible sound system, 2 stereo speakers and volume control buttons
Ports	R40e models: 2 USB 1.1; parallel; external display; AC Adapter; RJ-11, RJ-45; audio: headphone/line-out, internal microphone. RJ-45, RJ-11, parallel, external display, 2 USB, headphone, line out, external Microphone/line- in, S-Video out, Infrared, AC adapter. IEEE 1394 on select R32 & R40 models. R40 models: 2 USB 2.0, Mini Dock/port replicator.
Slots	1 Type II or 1 Type III
Keyboard	Ergonomic keyboard with palm rest, TrackPoint pointing device with "Press-to-Select"/Internet Scroll Bar, ThinkPad button. R40 Models: IBM ThinkPad UltraNav including touch pad and TrackPoint pointing device, Access IBM
ThinkLight Keyboard Light (not R40e models)	Illuminates the keyboard to improve visibility in low-light conditions
Travel weight/with optical drive	R40e: 2.5kg/2.8kg; R40: 2.5kg/2.7kg or 2.8kg/3.0kg (model type 2723), 2.5kg/2.8kg or 2.9kg/3.1kg; R32: 2.5kg/2.7kg
Dimensions (wxdxh)	R40e: 313x254x38.9mm; R40: 313x254x38.9mm or 329x267.5x40.5mm; R32: 313x254x38mm
Preloaded operating system	Microsoft Windows 2000 Professional, Microsoft Windows XP Home Edition or Microsoft Windows XP Professional
Included software	Pre-loaded: Access IBM (Access Connections, Access Help, Access Support), Adobe Acrobat Reader, ConfigSafe (Windows 2000 models only), InterVideo WinDVD (DVD models only), Microsoft Office XP SBE (select models only), PC-Doctor, Norton Anti-Virus, ThinkPad Utilities, Update Connector, Veritas RecordNOW (CD-RW models only), IBM Rapid Restore PC (select models). Downloadable: Client Security Software (IBM Embedded Security Subsystem models only), IBM Rapid Restore PC, IBM Director Agent, Software Delivery Assistant, System Migration Assistant. Licence: Lotus SmartSuite Millennium, Lotus Notes Standalone Client.
Limited warranty	R40e: 1yr/1yr battery. R40 & R32: 3yrs/1yr battery or 1yr/1yr battery.
Announcement restrictions	Wireless and MS Office XP SBE models not available in all EMEA countries

ThinkPad R Series Model Comparison

	Processor (GHz)	Memory: std./max. (MB/GB)	Screen Size (Inches)	Hard disk drive size (GB)	Optical Drive	Ethernet Wi-Fi Wireless (Type)	Intel Centrino Mobile Technology IBM Embedded Security Subsystem Operating system	Microsoft Office XP SBE	Warranty (3yrs/1yr)	Part number	Model type	ESP (Excl. VAT) Euro	ESP (CHF) Incl VAT
	ThinkPad R32												
WH	P4 - M 1.80	256/1	14.1	20	DVD-ROM	✓ Upgrade	Win XP		1yr	TR2J3xx	2658-J3G	1.730,00	2,540.00
WH	P4 - M 1.80	256/1	14.1	20	DVD-ROM	✓ Upgrade	Win XP		3yrs	TR9J3xx	2659-J3G	1.850,00	2,720.00
WH	P4 - M 2.00	256/1	14.1	30	DVD-ROM	✓ Upgrade	Win XP		1yr	TR2N3xx	2658-N3G	1.850,00	2,700.00
WH	P4 - M 2.00	256/1	14.1	30	DVD-ROM	✓ Other	✓ Win XP		1yr	TR2N4xx	2658-N4G	2.010,00	2,940.00
WH	P4 - M 2.00	256/1	14.1	30	DVD-ROM	✓ Cisco	✓ Win XP		1yr	TR2N5xx	2658-N5G	2.010,00	2,940.00
WH	P4 - M 2.00	256/1	14.1	30	DVD-ROM	✓ Upgrade	Win XP		3yrs	TR9N3xx	2659-N3G	1.960,00	2,870.00
WH	P4 - M 2.00	256/1	14.1	30	DVD-ROM	✓ Other	✓ Win XP		3yrs	TR9N4xx	2659-N4G	2.120,00	3,120.00
WH	P4 - M 2.00	256/1	14.1	30	DVD-ROM	✓ Cisco	✓ Win XP		3yrs	TR9N5xx	2659-N5G	2.120,00	3,120.00
	ThinkPad R40												
	P M 1.30	256/2	14.1	30	DVD-ROM/CD-RW	✓ Upgrade	✓ Win XP		1yr	TR43Gxx	2722-3GG	1.730,00	2,800.00
TS	P M 1.30	256/2	15	40	DVD-ROM/CD-RW	✓ Intel	✓ ✓ Win XP		1yr	TR45Mxx	2722-5MG	1.540,00	2,330.00
WH	P M 1.30	256/2	14.1	20	DVD-ROM	✓ Upgrade	✓ Win XP		3yrs	TR526xx	2723-26G	1.730,00	2,800.00
WH	P M 1.30	256/2	14.1	20	DVD-ROM	✓ Intel	✓ ✓ Win XP		3yrs	TR52Fxx	2723-2FG	1.850,00	3,000.00
TS	P M 1.40	256/2	14.1	40	DVD-ROM/CD-RW	✓ Intel	✓ ✓ Win XP			TR43Dxx	2722-3DG	☎	☎
	P M 1.40	256/2	15	40	DVD-ROM/CD-RW	✓ Upgrade	✓ Win XP		1yr	TR4B3xx	2722-B3G	2.070,00	3,340.00
WH	P M 1.40	256/2	15	40	DVD-ROM	✓ Upgrade	✓ Win XP		3yrs	TR5B4xx	2723-B4G	2.070,00	3,340.00
WH	P M 1.40	256/2	15	40	DVD-ROM	✓ Intel	✓ ✓ Win XP		3yrs	TR5BAxx	2723-BAG	2.200,00	3,540.00
WH	P M 1.40	256/2	15	40	DVD-ROM	✓ Cisco	✓ Win XP		3yrs	TR5BSxx	2723-BSG	2.200,00	3,540.00
	P M 1.50	256/2	15	60	DVD-ROM/CD-RW	✓ IBM 11 a/b	✓ Win XP		1yr	TR4GDxx	2722-GDG	2.560,00	4,090.00
	Cel 1.60	256/1	14.1	20	CD-ROM	✓ Other	✓ Win XP		1yr	TR329xx	2681-29G	1.410,00	2,300.00
	Cel 1.80	256/1	14.1	20	CD-ROM	✓ Other	✓ Win XP		1yr	TR34Hxx	2681-4HG	1.590,00	2,400.00
	P4 - M 1.90	256/1	14.1	20	DVD-ROM	✓ Upgrade	✓ Win XP		1yr	TR3CAxx	2681-CAG	1.590,00	2,560.00
	P4 - M 1.90	256/1	14.1	20	DVD-ROM	✓ Upgrade	✓ Win XP		3yrs	TR8CAxx	2682-CAG	1.710,00	2,740.00
TS	P4 - M 2.00	256/1	14.1	30	DVD-ROM	✓ Upgrade	✓ W2000		1yr	TR3F2xx	2681-F2G	1.220,00	1,860.00
TS	P4 - M 2.00	256/1	14.1	30	DVD-ROM/CD-RW	✓ Upgrade	✓ W2000		1yr	TR3F3xx	2681-F3G	1.340,00	2,050.00
TS	P4 - M 2.00	256/1	14.1	30	DVD-ROM	✓ Upgrade	✓ Win XP		1yr	TR3F7xx	2681-F7G	1.230,00	1,880.00
WH	P4 - M 2.00	256/1	14.1	20	DVD-ROM	✓ Upgrade	✓ Win XP		1yr	TR3F9xx	2681-F9G	1.650,00	2,660.00
TS	P4 - M 2.00	256/1	14.1	30	DVD-ROM	✓ Upgrade	✓ Win XP	SBE	1yr	TR3FGxx	2681-FGG	1.380,00	2,110.00
TS	P4 - M 2.00	256/1	14.1	30	DVD-ROM	✓ Upgrade	✓ Win XP	Pro	1yr	TR3FHxx	2681-FHG	folgt	2,320.00
TS	P4 - M 2.00	256/1	14.1	30	DVD-ROM/CD-RW	✓ Upgrade	✓ Win XP		1yr	TR3FJxx	2681-FJG	1.340,00	2,050.00
	P4 - M 2.00	256/1	15	20	DVD-ROM	✓ Upgrade	✓ Win XP		1yr	TR3G9xx	2681-G9G	1.820,00	2,930.00
TS	P4 - M 2.00	256/1	15	40	DVD-ROM/CD-RW	✓ Upgrade	✓ Win XP		1yr	TR3HSxx	2681-HSG	1.590,00	2,420.00
TS	P4 - M 2.00	256/1	15	40	DVD-ROM/CD-RW	✓ Upgrade	✓ W2000		1yr	TR3HTxx	2681-HTG	1.590,00	2,420.00
WH	P4 - M 2.00	256/1	14.1	20	DVD-ROM	✓ Upgrade	✓ Win XP		3yrs	TR8F9xx	2682-F9G	1.750,00	2,820.00
WH	P4 - M 2.00	256/1	14.1	20	DVD-ROM	✓ Upgrade	Win XP		3yrs	TR8FAxx	2682-FAG	1.730,00	2,780.00
	P4 - M 2.00	256/1	15	20	DVD-ROM	✓ Upgrade	✓ Win XP		3yrs	TR8G9xx	2682-G9G	1.930,00	3,090.00
WH	P4 - M 2.20	256/1	15	40	DVD-ROM	✓ Upgrade	✓ Win XP		1yr	TR3K9xx	2681-K9G	1.930,00	3,090.00
WH	P4 - M 2.20	256/1	15	40	DVD-ROM	✓ Upgrade	Win XP		3yrs	TR8K2xx	2682-K2G	2.010,00	3,220.00
WH	P4 - M 2.20	256/1	15	40	DVD-ROM	✓ Cisco	✓ Win XP		3yrs	TR8K4xx	2682-K4G	2.180,00	3,470.00
WH	P4 - M 2.20	256/1	15	40	DVD-ROM	✓ Upgrade	✓ Win XP		3yrs	TR8K9xx	2682-K9G	2.030,00	3,260.00
	ThinkPad R40e												
	Cel 1.70	128/1	14.1	20	CD-ROM	✓	WXP Home		1yr	TE042xx	2684-42G	1.160,00	1,980.00
TS	Cel 1.70	128/1	14.1	20	DVD-ROM	✓	WXP Home		1yr	TE043xx	2684-43G	890,00	1,360.00
	Cel 1.70	128/1	14.1	20	CD-ROM	✓	Win XP		1yr	TE046xx	2684-46G	1.250,00	2,110.00

	Processor (GHz)	Memory: std./max. (MB/GB)	Screen Size (Inches)	Hard disk drive size (GB)	Optical Drive	Ethernet Wi-Fi Wireless (Type)	Intel Centrino Mobile Technology IBM Embedded Security Subsystem Operating system	Microsoft Office XP SBE Warranty (3yrs/1yr)	Part number	Model type	ESP (Excl. VAT) Euro	ESP (CHF) Incl VAT
TS	Cel 1.70	128/1	14.1	20	CD-ROM	✓	WXP Home	1yr	TE04Txx	2684-4TG	860,00	1,310.00
TS	Cel 1.70	256/1	14.1	20	DVD-ROM/CD-RW	✓	WXP Home	1yr	TE054xx	2684-54G	960,00	1,460.00
TS	Cel 1.70	256/1	14.1	20	DVD-ROM/CD-RW	✓	Win XP	1yr	TE05Axx	2684-5AG	1.030,00	1,560.00
	P4 - M 1.80	256/1	14.1	20	DVD-ROM	✓	Win XP	1yr	TE0C7xx	2684-C7G	1.520,00	2,450.00
TS	P4 - M 1.80	256/1	14.1	20	DVD-ROM	✓	Win XP	1yr	TE0CVxx	2684-CVG	1.090,00	1,660.00
	Cel 1.80	128/1	14.1	30	CD-ROM	✓	WXP Home	1yr	TE0GLXX	2684-GLG	1.210,00	1,830.00
	Cel 1.80	128/1	14.1	30	CD-ROM	✓	Win XP	1yr	TE0GNXX	2684-GNG	1.280,00	1,930.00
	Cel 1.80	256/1	14.1	30	DVD-ROM/CD-RW	✓	Win XP	1yr	TE0GQXX	2684-GQG	1.490,00	2,260.00
	P4 - M 2.20	256/1	14.1	30	DVD-ROM	✓	Win XP	1yr	TE0QPXX	2684-QPG	1.670,00	2,530.00

Selected ThinkPad Accessories & Upgrades			
1GB PC2100 CL2.5 DDR SDRAM SODIMM Memory	10K0034	1.200,00	1,830.00
ThinkPad 80GB Hard Disk Drive	08K9869	576,00	848.00
ThinkPad CD-RW/DVD-ROM Combo Ultrabay Slim Drive	22P7011	307,00	469.00
ThinkPad Multi-Burner Ultrabay 2000 Drive	22P7015	588,00	866.00
Intel PRO/Wireless LAN 2100 3B Mini-PCI Adapter	31P8601	115,00	170.00
ThinkPad R40e Li-Ion Battery	08K8218	164,00	241.00
ThinkPad 72W AC/DC Combo Adapter with Power Cord	22P901X	☎	☎
ThinkPad Multiple Battery Charger II	22P9040	178,00	261.00
ThinkPad Port Replicator II	74P6733	154,00	225.00
ThinkPad Alpha Executive Carry Case	09N4165	93,00	137.00

TS = TopSeller WH = Workhorse
For additional ThinkPad compatible options refer to ThinkPad Options table at the end of the ThinkPad section.

Perfect balance of performance and portability

IBM ThinkPad T Series

Highlights

• New Intel Centrino mobile technology on select models is designed for wireless notebooks to help deliver high performance and extended battery life

• New ThinkPad T40p mobile workstations offer high performance graphics

• T40 models are about 25mm thin and weigh 2kg with a 14.1" TFT

• Titanium Composite top and bottom covers provide enhanced protection

• IBM UltraNav multi-pointing system, with touch pad and TrackPoint, on T40 and select T30 models

• Up to five integrated communications choices, including Cisco or Intel PRO Wireless and IBM 11a/b Wi-Fi wireless on select models

• Access IBM button provides easy access to online and on-system information including self diagnosis tools and IBM Service and Support

Specifications	
Processor/Level 2 Cache	T40: Intel Pentuim M to 1.6GHz/1MB; T40p: Intel Pentuim M at 1.6GHz/1MB. T30: Mobile Intel Pentium 4 Processor-M to 2.4GHz/512KB. T23: Mobile Intel Pentium III Processor-M to 1.2GHz/512KB
Memory (std./max.)	T40: 256MB or 512MB/2GB PC2100 DDR SDRAM; T40p: 512MB/2GB PC2100 DDR SDRAM. T30: 256MB/1GB PC2100 DDR SDRAM. T23: 128 or 256MB/1GB PC133 SDRAM
Display/resolution	T40 & T30: 14.1" TFT SXGA+/1400x1050 or 14.1" TFT XGA/1024x768. T40p: 14.1" TFT SXGA+/1400x1050. T23: 14.1" TFT XGA/1024x768. .
Hard disk drive (std./max.)	20, 30, 40, 60 or 80GB or 40GB 5400rpm or 60GB 7200rpm depending on model
Video graphics	T40: ATI Mobility Radeon 7500 32MB DDR 4X AGP & T40p: ATI Mobility FireGL 9000 64MB DDR 4X AGP. T30: ATI Mobility Radeon 7500 16MB DDR 4X AGP. T23: S3 SuperSavage/IXc 16MB SDRAM.
Optical drive	CD-RW/DVD-ROM Combo Drive or DVD-ROM 8X Max depending on model
Communications	56K modem, 10/100 Ethernet. T40/T30 models: Wi-Fi wireless upgradeable with built in antenna. Select T40/T40p models: Gigabit ethernet, Intel PRO/Wireless 2100 Network Connection, Cisco Aironet wireless, IBM 11a/b Wi-Fi wireless, Bluetooth. Select T30 models: Cisco 802.11b or Intel PRO wireless, Bluetooth. Select T23 models: 802.11b wireless, Bluetooth.
Li-Ion battery life	T40: 4.5hr (6 cell) or 6.75hr (9 cell); T40p: 6.75hr (9 cell); T30: 2.5-3hr; T23: 3.1-3.5hr
Audio	SoundBlaster Pro 16 compatible sound system, volume controls and mute button
IBM Embedded Security Subsystem 2.0	T40 & T40p and select T30 models
Ports	2 USB 2.0, parallel, S-video out, Infrared, dock/port replicator, external display, audio, headphone, line-out, microphone, AC adapter, RJ-11, RJ-45. T30: 2 USB 1.1, serial, line-in. T23: 2 USB 1.1, UltraPort connector, mouse/keyboard.
Slots	2 Type II or 1 Type III PC Card
Keyboard	Ergonomic keyboard with palm rest, IBM ThinkPad UltraNav multi-pointing system including touch pad and TrackPoint pointing device with "Press-to-Select", Internet Scroll Bar, intuitive volume control and Access IBM. UltraNav on select T30 models only
ThinkLight Keyboard Light	Illuminates the keyboard to improve visibility in low-light conditions
Dimensions (wxdxh)	T40 & T40p: 311x255x26mm; T30: 307x250x34.2mm; T23: 304x250x33.1mm
Travel weight/with optical drive	T40 & T40p: 2.05kg/2.22kg; T30: 2.3kg/2.55kg; T23: 2.1kg/2.3kg
Preloaded operating system	Microsoft Windows XP Professional (or Windows 2000 Professional for T30 models)
Included software	Preloaded: Access IBM (Access Connections), Adobe Acrobat Reader, ConfigSafe (W2000 only), ThinkPad Utilities, PC-Doctor, Mediamatics DVD (DVD models only), Veritas RecordNOW (CD-RW models only), Update Connector, Office XP SBE (select models), IBM Rapid Restore PC (select models). Downloadable: IBM Data Transfer, Client Security Software (Embedded Security Subsystem models only), IBM Director Agent, IBM Rapid Restore PC. Licence: Lotus SmartSuite Millennium, Lotus Notes Stand Alone Client (CD not included).
Limited warranty	3yrs system/1yr battery
Announcement restrictions	Wireless and Bluetooth models not available in all EMEA countries

ThinkPad T Series Model Comparison

	Processor (GHz)	Memory- std./max. (MB/GB)	Hard disk drive size (GB)	Maximum display resolution	Battery Life (Lithium-Ion)	Optical Drive	Ethernet (10/100 or Gigabit)	Wi-Fi Wireless (Type)	Intel Centrino Mobile Technology	Bluetooth	IBM Embedded Security Subsystem	IBM ThinkPad UltraNav	Operating system	Part number	Model type	ESP (Excl. VAT) Euro	ESP (CHF) Incl VAT
	ThinkPad T23																
WH	PIII - M 1.20	256/1	40	1024x768	6 Cell	DVD-ROM	10/100						W2000	TT34Rxx	2647-4RG	2.720,00	3,990.00
WH	PIII - M 1.20	256/1	40	1024x768	6 Cell	DVD-ROM	10/100	Other					W2000	TT34Sxx	2647-4SG	2.860,00	4,200.00
WH	PIII - M 1.20	256/1	40	1024x768	6 Cell	DVD-ROM	10/100						Win XP	TT38Rxx	2647-8RG	2.720,00	3,990.00
WH	PIII - M 1.20	256/1	40	1024x768	6 Cell	DVD-ROM	10/100	Other					Win XP	TT38Sxx	2647-8SG	2.860,00	4,200.00
	ThinkPad T30																
WH	P4 - M 1.80	256/1	40	1024x768	6 Cell	DVD-ROM	10/100	Upgrade			✓		W2000	TC041xx	2366-41G	2.270,00	3,680.00
WH	P4 - M 1.80	256/1	40	1024x768	6 Cell	DVD-ROM	10/100	Intel		✓	✓		W2000	TC042xx	2366-42G	2.420,00	3,920.00
WH	P4 - M 1.80	256/1	40	1024x768	6 Cell	DVD-ROM	10/100	Upgrade					W2000	TC043xx	2366-43G	2.270,00	3,680.00
WH	P4 - M 1.80	256/1	40	1024x768	6 Cell	DVD-ROM	10/100	Intel		✓			W2000	TC044xx	2366-44G	2.420,00	3,920.00
WH	P4 - M 1.80	256/1	40	1024x768	6 Cell	DVD-ROM	10/100	Cisco		✓	✓		W2000	TC045xx	2366-45G	2.420,00	3,920.00
WH	P4 - M 1.80	256/1	40	1024x768	6 Cell	DVD-ROM	10/100	Upgrade			✓		Win XP	TC081xx	2366-81G	2.270,00	3,680.00
WH	P4 - M 1.80	256/1	40	1024x768	6 Cell	DVD-ROM	10/100	Intel		✓	✓		Win XP	TC082xx	2366-82G	2.420,00	3,920.00
WH	P4 - M 1.80	256/1	40	1024x768	6 Cell	DVD-ROM	10/100	Upgrade					Win XP	TC083xx	2366-83G	2.270,00	3,680.00
WH	P4 - M 1.80	256/1	40	1024x768	6 Cell	DVD-ROM	10/100	Intel		✓			Win XP	TC084xx	2366-84G	2.420,00	3,920.00
WH	P4 - M 1.80	256/1	40	1024x768	6 Cell	DVD-ROM	10/100	Cisco		✓	✓		Win XP	TC085xx	2366-85G	2.420,00	3,920.00
WH	P4 - M 1.90	256/1	20	1024x768	6 Cell	DVD-ROM	10/100	Upgrade			✓		Win XP	TC066xx	2366-66G	2.230,00	3,620.00
WH	P4 - M 1.90	256/1	20	1024x768	6 Cell	DVD-ROM	10/100	Intel		✓	✓		Win XP	TC067xx	2366-67G	2.390,00	3,860.00
WH	P4 - M 1.90	256/1	20	1024x768	6 Cell	DVD-ROM	10/100	Upgrade					Win XP	TC068xx	2366-68G	2.230,00	3,620.00
WH	P4 - M 2.00	256/1	40	1024x768	6 Cell	DVD-ROM	10/100	Upgrade			✓		Win XP	TC086xx	2366-86G	2.400,00	3,880.00
WH	P4 - M 2.00	256/1	40	1024x768	6 Cell	DVD-ROM	10/100	Intel		✓	✓		Win XP	TC087xx	2366-87G	2.550,00	4,120.00
WH	P4 - M 2.00	256/1	40	1024x768	6 Cell	DVD-ROM	10/100	Upgrade					Win XP	TC088xx	2366-88G	2.400,00	3,880.00
WH	P4 - M 2.00	256/1	40	1024x768	6 Cell	DVD-ROM	10/100	Intel		✓			Win XP	TC089xx	2366-89G	2.550,00	4,120.00
WH	P4 - M 2.00	256/1	40	1024x768	6 Cell	DVD-ROM	10/100	Cisco		✓	✓		Win XP	TC08Axx	2366-8AG	2.550,00	4,120.00
WH	P4 - M 2.20	256/1	40	1024x768	6 Cell	DVD-ROM/CD-RW	10/100	Intel		✓	✓		Win XP	TC0FBxx	2366-FBG	2.740,00	4,370.00
	P4 - M 2.40	256/1	60	1400x1050	6 Cell	DVD-ROM/CD-RW	10/100	Intel		✓	✓		Win XP	TC0JBxx	2366-JBG	3.070,00	4,920.00
	ThinkPad T40																
WH	P M 1.30	256/2	30	1024x768	6 Cell	CD-RW/DVD-ROM	10/100	Upgrade			✓	✓	Win XP	TC112xx	2373-12G	2.480,00	4,050.00
WH	P M 1.30	256/2	30	1024x768	6 Cell	DVD-ROM	10/100	Upgrade			✓	✓	Win XP	TC114xx	2373-14G	2.360,00	3,880.00
WH	P M 1.30	256/2	30	1024x768	6 Cell	CD-RW/DVD-ROM	10/100	Intel	✓		✓	✓	Win XP	TC119xx	2373-19G	2.610,00	4,260.00
WH	P M 1.30	256/2	30	1024x768	6 Cell	DVD-ROM	10/100	Intel	✓		✓	✓	Win XP	TC11Bxx	2373-1BG	2.500,00	4,090.00
TS	P M 1.30	256/2	40	1024x768	6 Cell	CD-RW/DVD-ROM	10/100	Intel	✓		✓	✓	Win XP	TC122xx	2373-22G	2.019,00	2,959.00
TS	P M 1.30	256/2	40	1024x768	6 Cell	CD-RW/DVD-ROM	10/100	Intel	✓		✓	✓	W2000	TC125xx	2373-25G	2.020,00	2,960.00
WH	P M 1.50	512/2	40	1024x768	6 Cell	CD-RW/DVD-ROM	Gbit.	Intel	✓	✓	✓	✓	Win XP	TC142xx	2373-42G	3.350,00	5,410.00
WH	P M 1.50	256/2	40	1024x768	6 Cell	CD-RW/DVD-ROM	Gbit.	Intel	✓	✓	✓	✓	Win XP	TC14Axx	2373-4AG	3.230,00	5,230.00
WH	P M 1.50	512/2	40	1024x768	6 Cell	CD-RW/DVD-ROM	10/100	Upgrade			✓	✓	Win XP	TC14Bxx	2373-4BG	3.100,00	5,020.00
WH	P M 1.50	256/2	40	1024x768	6 Cell	CD-RW/DVD-ROM	Gbit.	Intel	✓		✓	✓	Win XP	TC172xx	2373-72G	3.130,00	5,070.00
WH	P M 1.50	256/2	40	1024x768	6 Cell	CD-RW/DVD-ROM	Gbit.	Cisco			✓	✓	Win XP	TC175xx	2373-75G	3.130,00	5,070.00
WH	P M 1.50	256/2	40	1024x768	6 Cell	CD-RW/DVD-ROM	10/100	Upgrade			✓	✓	Win XP	TC17Cxx	2373-7CG	3.000,00	4,860.00
WH	P M 1.50	256/2	40	1024x768	6 Cell	DVD-ROM	Gbit.	Intel	✓		✓	✓	Win XP	TC182xx	2373-82G	3.020,00	4,890.00
WH	P M 1.50	256/2	40	1024x768	6 Cell	DVD-ROM	10/100	Upgrade			✓	✓	Win XP	TC18Cxx	2373-8CG	2.880,00	4,680.00
	P M 1.60	512/2	80	1400x1050	9 Cell	CD-RW/DVD-ROM C	Gbit.	IBM 11 a/b		✓	✓	✓	Win XP	TC192xx	2373-92G	4.200,00	6,730.00
	P M 1.60	512/2	80	1400x1050	9 Cell	CD-RW/DVD-ROM C	Gbit.	Intel	✓	✓	✓	✓	Win XP	TC194xx	2373-94G	4.100,00	6,590.00
	ThinkPad T40p																
WH	P M 1.60	512/2	40	1400x1050	9 Cell	CD-RW/DVD-ROM C	Gbit.	IBM 11 a/b		✓	✓	✓	Win XP	TC1G1xx	2373-G1G	4.280,00	6,860.00

	Processor (GHz)	Memory: std./max. (MB/GB)	Hard disk drive size (GB)	Maximum display resolution	Battery Life (Lithium-Ion)	Optical Drive	Ethernet (10/100 or Gigabit)	Wi-Fi Wireless (Type)	Intel Centrino Mobile Technology	Bluetooth	IBM Embedded Security Subsystem	IBM ThinkPad UltraNav	Operating system	Part number	Model type	ESP (Excl. VAT) Euro	ESP (CHF) Incl VAT
WH	P M 1.60	512/2	40	1400x1050	9 Cell	CD-RW/DVD-ROM C	Gbit.	Upgrade	✓	✓	✓		Win XP	TC1G2xx	2373-G2G	3.950,00	6,340.00
WH	P M 1.60	512/2	60	1400x1050	9 Cell	CD-RW/DVD-ROM C	Gbit.	IBM 11 a/b	✓	✓	✓		Win XP	TC1G3xx	2373-G3G	4.280,00	6,280.00
WH	P M 1.60	512/2	60	1400x1050	9 Cell	CD-RW/DVD-ROM C	Gbit.	Intel	✓	✓	✓	✓	Win XP	TC1G5xx	2373-G5G	4.230,00	6,210.00

Selected ThinkPad Accessories & Upgrades			
1GB PC2100 CL2.5 DDR SDRAM SODIMM Memory	10K0034	1.200,00	1,830.00
ThinkPad 80GB Hard Disk Drive	08K9869	576,00	848.00
ThinkPad Second Hard Disk Drive Adapter for Ultrabay Slim	62P4554	56,00	83.00
ThinkPad Slim Drive Adapter for Ultrabay 2000	62P4557	56,00	83.00
ThinkPad CD-RW/DVD-ROM Combo Ultrabay Slim Drive	22P7011	307,00	469.00
ThinkPad Multi-Burner Ultrabay 2000 Drive	22P7015	588,00	866.00
ThinkPad Dock II with Power Cord	67P899X	☎	☎
Intel PRO/Wireless LAN 2100 3B Mini-PCI Adapter	31P8601	115,00	170.00
ThinkPad Ultrabay Slim Li-Polymer Battery	08K8190	203,00	300.00
ThinkPad T40 Series High Capacity Li-Ion Battery	08K8197	233,00	342.00
ThinkPad T40 Series Li-Ion Battery	08K8214	179,00	262.00
ThinkPad 72W AC/DC Combo Adapter with Power Cord	22P901X	☎	☎
ThinkPad Multiple Battery Charger II	22P9040	178,00	261.00

TS = TopSeller WH = Workhorse
For additional ThinkPad compatible options refer to ThinkPad Options table at the end of the ThinkPad section.

Extra-light, extra-small ultraportable

IBM ThinkPad X Series

Highlights

•Experience longer battery life, up to 6 hours, about 25mm thin and starts at just 1.6kg

• New Intel Centrino mobile technology on select models designed for performance and long battery life

• Snap on the optional X3 UlraBase for quick expansion and cable management

• Enjoy the flexibility of up to five integrated communications choices, IEEE 1394 and CompactFlash

• IBM UltraConnect Antenna on X31 models provides enhanced signal strength and multiple frequencies with the Embedded Security Subsystem for the most secure wireless computing

• Access IBM button provides easy access online and on-system information including self diagnosis tools and IBM Service and Support

Specifications

Processor/Level 2 cache	X31: Intel Pentium M at 1.4GHz/1MB X30: Mobile Intel Pentium III processor-M at 1.2GHz/512KB
Memory (std./max.)	X31: 256MB/1GB PC2100 DDR SDRAM X30: 256MB/1GB PC133 SDRAM
Display/resolution	12.1" TFT XGA/1024x768
Hard disk drive	40GB
Video graphics	X31: ATI Mobility RADEON 16MB DDR 4X AGP X30: Integrated Intel 830MG 8MB 4X AGP
Optical drive	Optional floppy disk drive via the UltraBase X3
Communications	56K modem, 10/100 Ethernet. X31: Wi-Fi wireless upgradeable with built in antenna. Select X31 models: Gigabit Ethernet, IBM 11a/b Wi-Fi wireless. Select X31 & X30 models: Cisco 802.11b or Intel PRO wireless, Bluetooth.
Li-Ion battery life	X31: 5.2-6.0hr (up to 10hr with Extended Life Battery); X30: 4.3-4.5hr (up to 8hr with Extended Life Battery)
Audio	SoundBlaster Pro 16 compatible sound system with two stereo speakers, volume controls and mute button
IBM Embedded Security Subsystem 2.0	X31 and select X30 models
Ports	RJ-45; RJ-11; 2 USB; external display; Infrared; Dock/Port Replicator; AC Adapter; audio: headphone, line out, external microphone, line-in; parallel; IEEE 1394. X31 models: 2 USB 2.0
Slots	1 Type II PC Card, Compact Flash
Keyboard	Ergonomic keyboard with palm rest, ThinkPad Button and Trackpoint pointing device with "Press-to-Select"/Internet Scroll bar, Access IBM
ThinkLight keyboard light	Illuminates the keyboard so you can continue working in low-light conditions
Weight	1.6-1.7kg
Dimensions (wxdxh)	273x223x24.9mm
Pre-loaded operating system	Microsoft Windows XP Professional or Windows 2000 Professional
Included software	Preloaded: Access IBM, ConfigSafe (W2000 models only), PC-Doctor, ThinkPad Utilities Downloadable: IBM Data Transfer, IBM Rapid Restore PC, Update Connector, IBM Client Security Software (Embedded Security subsystem models only) Licence: Lotus Notes Stand Alone Client, Lotus Smartsuite Millennium (CD not included)
Limited warranty	3yrs system/1yr battery
Announcement restrictions	Wireless and Bluetooth models not available in all EMEA countries

ThinkPad X Series Model Comparison

	Processor (GHz)	Memory: std./max. (MB/GB)	Hard disk drive size (GB)	Maximum display resolution	Ethernet (10/100 or Gigabit)	Wi-Fi Wireless (Type)	Intel Centrino Mobile Technology	Bluetooth	IBM Embedded Security Subsystem	Operating system	Part number	Model type	ESP (Excl. VAT) Euro	ESP (CHF) Incl VAT
	ThinkPad X24													
WH	PIII - M 1.13	256/640	30	1024x768	10/100			✓		W2000	TX4M6xx	2662-M6G	2.360,00	3,480.00
WH	PIII - M 1.13	256/640	30	1024x768	10/100			✓		Win XP	TX4MLxx	2662-MLG	2.360,00	3,480.00
WH	PIII - M 1.13	256/640	30	1024x768	10/100					W2000	TX4MPxx	2662-MPG	2.260,00	3,300.00
WH	PIII - M 1.13	256/640	30	1024x768	10/100					Win XP	TX4MQxx	2662-MQG	2.260,00	3,300.00
WH	PIII - M 1.13	256/640	30	1024x768	10/100	Other			✓	Win XP	TX4MWxx	2662-MWG	2.410,00	3,540.00
WH	PIII - M 1.13	256/640	30	1024x768	10/100	Other			✓	W2000	TX4MXxx	2662-MXG	2.410,00	3,540.00
	ThinkPad X30													
WH	PIII - M 1.20	256/1	40	1024x768	10/100					W2000	TK041xx	2672-41G	2.230,00	3,670.00
WH	PIII - M 1.20	256/1	40	1024x768	10/100					Win XP	TK042xx	2672-42G	2.230,00	3,670.00
WH	PIII - M 1.20	256/1	40	1024x768	10/100	Intel			✓	W2000	TK04Axx	2672-4AG	2.390,00	3,900.00
WH	PIII - M 1.20	256/1	40	1024x768	10/100	Intel			✓	Win XP	TK04Bxx	2672-4BG	2.390,00	3,900.00
WH	PIII - M 1.20	256/1	40	1024x768	10/100	Intel		✓	✓	W2000	TK04Gxx	2672-4GG	2.500,00	4,070.00
WH	PIII - M 1.20	256/1	40	1024x768	10/100	Intel		✓	✓	Win XP	TK04Hxx	2672-4HG	2.500,00	4,070.00
WH	PIII - M 1.20	256/1	40	1024x768	10/100	Cisco			✓	Win XP	TK04Xxx	2672-4XG	2.390,00	3,900.00
	ThinkPad X31													
WH	P M 1.40	256/1	40	1024x768	10/100	Upgrade			✓	Win XP	TK1C2xx	2672-C2G	2.340,00	3,810.00
	P M 1.40	256/1	40	1024x768	10/100	Upgrade			✓	W2000	TK1C6xx	2672-C6G	2.340,00	3,810.00
TS	P M 1.40	256/1	40	1024x768	10/100	Intel	✓		✓	Win XP	TK1C8xx	2672-C8G	1.780,00	2,600.00
WH	P M 1.40	256/1	40	1024x768	10/100	Intel	✓		✓	Win XP	TK1CBxx	2672-CBG	2.470,00	4,020.00
	P M 1.40	256/1	40	1024x768	10/100	Intel	✓	✓	✓	W2000	TK1CDxx	2672-CDG	2.530,00	4,100.00
WH	P M 1.40	256/1	40	1024x768	10/100	Intel	✓	✓	✓	Win XP	TK1CExx	2672-CEG	2.530,00	4,100.00
WH	P M 1.40	256/1	40	1024x768	10/100	Cisco			✓	Win XP	TK1CXxx	2672-CXG	2.530,00	4,100.00
WH	P M 1.40	256/1	40	1024x768	Gbit.	IBM 11 a/b		✓	✓	Win XP	TK1JHxx	2672-JHG	2.590,00	4,190.00

Selected ThinkPad Accessories & Upgrades			
ThinkPad 80GB Hard Disk Drive	08K9869	576,00	848.00
ThinkPad CD-RW/DVD-ROM Combo Ultrabay Slim Drive	22P7011	307,00	469.00
ThinkPad Multi-Burner Ultrabay 2000 Drive	22P7015	588,00	866.00
ThinkPad Dock II with Power Cord	67P899X	☎	☎
Intel PRO/Wireless LAN 2100 3B Mini-PCI Adapter	31P8601	115,00	170.00
ThinkPad 72W AC/DC Combo Adapter with Power Cord	22P901X	☎	☎
ThinkPad Multiple Battery Charger II	22P9040	178,00	261.00
ThinkPad X30 Series Extended Life Battery	02K7041	219,00	319.00
ThinkPad X3 Ultrabase	46P7912	233,00	339.00
ThinkPad UltraBase X2 Media Slice	08N1180	231,00	342.00

TS = TopSeller WH = Workhorse

For additional ThinkPad compatible options refer to ThinkPad Options table at the end of the ThinkPad section.

High performance desktop alternatives with exceptional versatility

IBM ThinkPad A Series

Highlights

- ***Mobile workstation models with Mobile Intel Pentium 4 Processor-M and ATI graphics***
- ***Up to a 15" TFT display and travel weight starts at 3.1kg***
- ***Two fully swappable bays including Ultrabay Plus***
- ***Connect your way with up to four integrated communications choices, including wireless solutions***
- ***Web navigation keys, ThinkLight keyboard light and Ultraport Connector (select models)***
- ***Ask IntelliStation for support and answers from IBM engineers***

Specifications

Processor/Level 2 cache	A31p: Mobile Intel Pentium 4 Processor-M to 2.0GHz/512KB A31: Mobile Intel Pentium 4 Processor-M to 1.9GHz/512KB
Memory (std./max. type)	A31/A31p: 256 or 512MB/1GB PC2100 DDR SDRAM
Display/resolution	A31p: 15" TFT UXGA FlexView/1600x1200 A31: 15" TFT XGA/1024x768
Hard disk drive	A31p: 40 or 60GB high speed (5400 rpm) A31: 30GB
Video graphics	A31p: ATI Mobility FireGL 7800 64MB DDR 4X AGP A31: ATI Mobility Radeon 7500 16 or 32MB DDR 4X AGP
Optical drive	A31p: CD-RW/DVD-ROM Combo Drive A31: DVD-ROM 8X Max
Communications	56K modem 10/100 Ethernet. Select models 802.11b wireless and Bluetooth with dual-antenna system in display
Li-Ion battery life	2.0-2.5hr
Audio	SoundBlaster Pro compatible sound system with 2 stereo speakers, volume controls and mute button
IBM Embedded Security Subsystem	Select models
Ports	RJ-45, RJ-11, 2 USB, serial, parallel, headphone/line out, line-in, external microphone, external display, Infrared, AC Adapter, Dock/Port Replicator, S-video out A31p models only: IEEE 1394, S-video-in and UltraPort connector
Slots	2 Type II or 1 Type III PC Card
Keyboard	Ergonomic keyboard with palm rest, TrackPoint pointing device with "Press-to-Select"/Internet Scroll Bar, ThinkPad Button, Web navigation keys and Access ThinkPad
ThinkLight Keyboard Light	Illuminates the keyboard to improve visibility in low-light conditions
Travel weight/with optical drive	A31p: 3.2kg/3.5kg; A31: 3.1kg/3.4kg
Dimensions (wxdxh)	329x272.5x44.6-46.8mm
Preloaded operating system	Windows 2000 Professional, Microsoft Windows XP Professional
Included software	Preloaded: Access ThinkPad, Adobe Acrobat Reader, ConfigSafe (W2000 models only), Mediamatics DVD, InterVideo WinDVD (DVD models only), MGI VideoWave 4 (A31p models only), PC-Doctor, ThinkPad Utilities, Update Connector, IBM RecordNOW by Veritas (CD-RW models only) Downloadable: Client Security Software (Embedded Security Subsystem models only), IBM Rapid Restore PC, IBM Director Agent, IBM Data Transfer Licence: Lotus Notes Stand Alone Client, Lotus SmartSuite Millennium (CD not included)
Certified software	Visit ibm.com/pc/thinkpad/cert.html for a complete list of applications certified to run on the ThinkPad A31p
Limited warranty	A31p: 3yrs system/1yr battery; A31: 1yr system/1yr battery
Announcement restrictions	Wireless/Bluetooth models not available in all EMEA countries

ThinkPad A Series Model Comparison

	Processor (GHz)	Memory: std./max. (MB/GB)	Hard disk drive size (GB)	Maximum display resolution	Optical Drive	Ethernet	Wi-Fi Wireless	Bluetooth	IBM Embedded Security Subsystem	Operating system	Viewable Image Size (inches)	Part number	Model type	ESP (Excl. VAT) Euro	ESP (CHF) Incl VAT
	ThinkPad A31														
WH	P4 - M 1.90	256/1	30	1024x768	DVD-ROM	✓				Win XP	15	TV2P3xx	2652-P3G	2.010,00	3,220.00
	P4 - M 1.90	256/1	30	1024x768	DVD-ROM	✓				W2000	15	TV2P4xx	2652-P4G	2.010,00	3,220.00
WH	P4 - M 1.90	256/1	30	1024x768	DVD-ROM	✓	Other	✓		Win XP	15	TV2P5xx	2652-P5G	2.160,00	3,460.00
	P4 - M 1.90	256/1	30	1024x768	DVD-ROM	✓	Other	✓		W2000	15	TV2P6xx	2652-P6G	2.160,00	3,460.00
	ThinkPad A31p														
	P4 - M 2.00	256/1	80	1600x1200	DVD-ROM/CD-RW	✓			✓	Win XP	15	TV2R3xx	2653-R3G	2.650,00	4,340.00
	P4 - M 2.00	256/1	80	1600x1200	DVD-ROM/CD-RW	✓			✓	W2000	15	TV2R4xx	2653-R4G	2.650,00	4,340.00
	P4 - M 2.00	256/1	80	1600x1200	DVD-ROM/CD-RW	✓		✓	✓	Win XP	15	TV2R5xx	2653-R5G	2.790,00	4,550.00
	P4 - M 2.00	256/1	80	1600x1200	DVD-ROM/CD-RW	✓		✓	✓	W2000	15	TV2R6xx	2653-R6G	2.790,00	4,550.00
	P4 - M 2.00	256/1	40	1600x1200	DVD-ROM/CD-RW	✓		✓	✓	Win XP	15	TV2R9xx	2653-R9G	2.990,00	4,390.00
	P4 - M 2.00	512/1	80	1600x1200	DVD-ROM/CD-RW	✓			✓	Win XP	15	TV2RNxx	2653-RNG	2.760,00	4,500.00
	P4 - M 2.00	512/1	60	1600x1200	DVD-ROM/CD-RW	✓			✓	W2000	15	TV2RPxx	2653-RPG	2.760,00	4,500.00
	P4 - M 2.00	512/1	40	1600x1200	DVD-ROM/CD-RW	✓			✓	Win XP	15	TV2RQxx	2653-RQG	2.960,00	4,340.00

Selected ThinkPad Accessories & Upgrades			
ThinkPad 80GB Hard Disk Drive	08K9869	576,00	848.00
ThinkPad Multi-Burner Ultrabay 2000 Drive	22P7015	588,00	866.00
ThinkPad Dock II with Power Cord	67P899X	☎	☎
ThinkPad 72W AC/DC Combo Adapter with Power Cord	22P901X	☎	☎
ThinkPad Multiple Battery Charger II	22P9040	178,00	261.00
512MB PC2100 CL2.5 NP DDR SDRAM SODIMM Memory	10K0032	205,00	302.00
ThinkPad Port Replicator	02K8667	153,00	225.00

TS = TopSeller WH = Workhorse

For additional ThinkPad compatible options refer to ThinkPad Options table at the end of the ThinkPad section.

Desktop alternatives for the ultimate in flexibility

IBM ThinkPad G Series

Highlights

• Flex desktop processing muscle in a notebook with the power of the Intel Pentium 4 processor
• Adjust your notebook instead of craning your neck with the new EasyPivot base
• Type more comfortably with the new ComfortSlant keyboard
• Offers 14.1" or 15" XGA resolution displays
• Access IBM button provides easy access to online and on-system information including self diagnosis tools and IBM Service and Support
• Integrated Wi-Fi wireless on select models with IBM UltraConnect Antenna for optimal signal reception

Specifications	
Processor/Level 2 cache	Intel Pentium 4 Processor at 2.4, 2.8GHz/512KB or Intel Celeron Processor at 2.0GHz/128KB
Memory (std./max.)	128 or 256MB/1GB PC2100 DDR SDRAM
Display/resolution	14.1" or 15" TFT XGA/1024x768
Hard disk drive	20 or 40GB
Video graphics	Integrated Intel Extreme Graphics with 32MB dynamic video memory
Fixed drives	Floppy disk drive. DVD-ROM 8X Max, CD-ROM 24X or CD-RW/DVD-ROM Combo depending on model
Communications	10/100 Ethernet and 56K modem. Wi-Fi wireless and IBM UltraConnect antenna on select models.
Battery life	8-cell NiMH battery up to 1.25hr. 12-cell Li-Ion battery up to 3.5hrs
Audio	SoundMAX, 1 internal speaker
Ports	4 USB 2.0; parallel; PS/2; external; AC Adapter; RJ-11, RJ-45; audio: headphone/line out, microphone
Slots	1 Type II or 1 Type III
Keyboard	ComfortSlant keyboard with palm rest, IBM ThinkPad TrackPoint pointing device with "Press-to-Select", Internet Scroll Bar, intuitive volume control and Access IBM
Travel weight	3.5kg for 14.1" and 3.6kg for 15" models
Dimensions (wxdxh)	329x282x37 to 51mm
Preloaded operating system	Microsoft Windows XP Home Edition or Microsoft Windows XP Professional
Included software	Pre-loaded: Access IBM (Access Connections), Adobe Acrobat Reader, IBM Rapid Restore PC, InterVideo WinDVD (DVD models only), PC-Doctor, ThinkPad Utilities, Update Connector, IBM RecordNow by Veritas (CD-RW models only), IBM Rapid Restore PC Downloadable: IBM Director Agent, Software Delivery Assistant, System Migration Assistant Licence: Lotus SmartSuite Millennium, Lotus Notes Standalone Client
Limited warranty	1yr/1yr battery
Announcement restrictions	Wireless not available in all EMEA countries

ThinkPad G Series Model Comparison

	Processor (GHz)	Memory: std./max. (MB/GB)	Screen Size (inches)	Hard disk drive size (GB)	Optical Drive	Ethernet	Wi-Fi Wireless	Battery Type	IBM Embedded Security Subsystem Operating system	Microsoft Office XP SBE Warranty (3yrs/1yr)	Part number	Model type	ESP (Excl. VAT) Euro	ESP (CHF) Incl VAT
ThinkPad G40														
	Cel 2.00	256/1	15	20	DVD-ROM	✓	Other	12 Cell	Win XP	1yr	TG011xx	2388-11G	1.530,00	2,300.00
	Cel 2.00	256/1	15	20	DVD-ROM	✓		12 Cell	WXP Home	1yr	TG012xx	2388-12G	1.350,00	2,050.00
	Cel 2.00	256/1	15	20	DVD-ROM	✓		12 Cell	Win XP	1yr	TG013xx	2388-13G	1.420,00	2,140.00
TS	Cel 2.00	256/1	15	20	DVD-ROM	✓		12 Cell	WXP Home	1yr	TG015xx	2388-15G	1.080,00	1,630.00
	Cel 2.00	128/1	14.1	20	CD-ROM	✓	Other	8 Cell	Win XP	1yr	TG01Fxx	2388-1FG	1.380,00	2,080.00
	P4 2.40	256/1	15	20	DVD-ROM	✓	Other	12 Cell	Win XP	1yr	TG03Bxx	2388-3BG	1.720,00	2,600.00
	P4 2.40	256/1	15	20	DVD-ROM	✓		12 Cell	Win XP	1yr	TG03Cxx	2388-3CG	1.610,00	2,430.00
TS	P4 2.40	256/1	15	20	DVD-ROM	✓		12 Cell	Win XP	1yr	TG03Qxx	2388-3QG	1.279,00	1,949.00
TS	P4 2.40	256/1	15	40	DVD-ROM/CD-RW	✓		12 Cell	WXP Home	1yr	TG03Rxx	2388-3RG	1.400,00	2,130.00
TS	P4 2.40	256/1	15	40	DVD-ROM/CD-RW	✓		12 Cell	Win XP	1yr	TG03Sxx	2388-3SG	1.464,00	2,230.00
	P4 2.80	256/1	15	20	DVD-ROM/CD-RW	✓	Other	12 Cell	Win XP	1yr	TG04Hxx	2388-4HG	2.050,00	3,090.00
TS	P4 2.80	256/1	15	40	DVD-ROM/CD-RW	✓		12 Cell	Win XP	1yr	TG04Sxx	2388-4SG	☎	☎

Selected ThinkPad Accessories & Upgrades			
ThinkPad G40 Series Li-ion Battery	08K8178	172,00	254.00
USB Keyboard with UltraNav	31P89xx	94,00	137.00
ThinkPad 120W AC Power Adapter	22P915X	☎	☎
ThinkPad Alpha Executive Carry Case	09N4165	93,00	137.00
512MB PC2100 CL2.5 NP DDR SDRAM SODIMM Memory	10K0032	205,00	302.00
256MB USB 2.0 Memory Key	22P9025	190,00	290.00
Portable 20GB USB 2.0 Hard Disk Drive with Rapid Restore	09N4211	229,00	474.00

TS = TopSeller WH = Workhorse
For additional ThinkPad compatible options refer to ThinkPad Options table at the end of the ThinkPad section.

IBM ThinkPad Accessories & Upgrades

Description	X22/X23/X24 2660/2662	X30 2672/2673	X31 2672/2673/2884/2885	T23 2647/2648	T30 2366/2367	T40 2373/2374/2378/2379	A31/p 2652/2653	R32 2658/2659/2677	R40 2681/2682/2683/2696	R40e 2722/2723/2724/2897	G40 2384/2387/2388/2389	Part Number	ESP (Excl. VAT) Euro	ESP (CHF) Incl VAT
Memory														
SO DIMM/SDRAM														
128MB PC2100 CL2.5 NP DDR SDRAM SODIMM Memory			✓		✓	✓	✓	✓	✓	✓	✓	10K0028	43,00	64.00
256MB PC2100 CL2.5 NP DDR SDRAM SODIMM Memory			✓		✓	✓	✓	✓	✓	✓	✓	10K0030	63,00	93.00
512MB PC2100 CL2.5 NP DDR SDRAM SODIMM Memory			✓		✓	✓	✓	✓	✓	✓	✓	10K0032	205,00	302.00
1GB PC2100 CL2.5 DDR SDRAM SODIMM Memory			✓		✓	✓	✓	1	✓	1		10K0034	1.200,00	1,830.00
TP 128MB PC133 Non-Parity SDRAM SO-DIMM Memory	✓	✓		✓								19K4652	61,00	91.00
TP 256MB PC133 Non-Parity SDRAM SO-DIMM Memory	✓	✓		✓								19K4654	88,00	130.00
TP 512MB PC133 Non-Parity SDRAM SO-DIMM Memory	✓	✓		✓								19K4656	194,00	285.00
Storage														
Adapters														
ThinkPad Ultrabay 2000 Hard Disk Drive Adapter	2	3	3	✓	✓		✓	✓	✓	✓		08K6068	56,51	90.00
ThinkPad Second Hard Disk Drive Adapter for Ultrabay Slim						✓						62P4554	56,00	83.00
ThinkPad Slim Drive Adapter for Ultrabay 2000	2	3	3	✓	✓		✓	✓	✓	✓		62P4557	56,00	83.00
CD-ROM Drives														
ThinkPad 24X-10X CD-ROM Ultrabay 2000 Drive	2	3	3	✓	✓		✓	✓	✓	✓		05K9233	154,89	247.00
ThinkPad CD-RW/DVD Combo IV Ultrabay 2000 Drive	2	3	3	✓	✓		✓	✓	✓	✓		22P6991	307,00	469.00
ThinkPad CD-RW/DVD-ROM Combo Ultrabay Slim Drive		4	4	5	5	✓	5	5	5	5		22P7011	307,00	469.00
ThinkPad Multi-Burner Ultrabay 2000 Drive	6	3	3	✓	✓		✓		✓	✓		22P7015	588,00	866.00
USB 2.0 Portable CD-RW Drive - Europe	7	7	✓	7	7	✓	7	7	7	✓	✓	✓	22P9073	465,00	☎
USB 2.0 Portable CD-RW Drive - Denmark	7	7	✓	7	7	✓	7	7	7	✓	✓	✓	22P9074	465,00	689.00
USB 2.0 Portable CD-RW Drive - South Africa/India	7	7	✓	7	7	✓	7	7	7	✓	✓	✓	22P9075	☎	☎
USB 2.0 Portable CD-RW Drive - UK	7	7	✓	7	7	✓	7	7	7	✓	✓	✓	22P9076	☎	☎
USB 2.0 Portable CD-RW Drive - Israel	7	7	✓	7	7	✓	7	7	7	✓	✓	✓	22P9079	☎	☎
ThinkPad Ultralight 8X-3X DVD Ultrabay 2000 Drive	2	3	3	✓	✓		✓	✓	✓	✓			22P9102	266,00	394.00
USB Portable CD-ROM Drive	8	8	8	8	8	8	8	8	8	8	8	✓	33L5151	251,00	370.00
Diskette Drives														
IBM 250MB Zip Ultrabay 2000 Drive	2	3	3	✓	✓		✓	✓	✓	✓			00N8253	239,00	352.00
USB Portable Diskette Drive	9	8	8	8	8	8	8	8	8	8	8	8	05K9276	83,15	124.00
ThinkPad Removable Diskette Drive		3	3	10	10		✓	✓	✓	✓			08K9603	80,43	123.00
Hard Disk Drives/Non Hot Swap														
1GB Microdrive with PC Card	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	07N5574	338,00	492.00
ThinkPad 20GB Hard Disk Drive	11	12	12	13	13	14	13	13		13	15		08K9686	272,00	411.00
ThinkPad High Speed 40GB Hard Disk Drive	✓	12	12	13	13	14	13	13	13	13	15		08K9816	428,00	647.00
ThinkPad 80GB Hard Disk Drive	11	12	12	13	13	14							08K9869	576,00	848.00
Portable 20GB USB 2.0 Hard Disk Drive with Rapid Restore	16	16	16	16	16	16	16					16	09N4211	229,00	474.00
Portable 40GB USB 2.0 Hard Drive with Rapid Restore		16	16	16	16	16	16		16	16	16	16	09N4255	311,00	471.00
Other														
ThinkPad T Series Floppy Disk Drive External Cable Kit				✓	✓								27L0524	60,86	97.00
ThinkPad Docking Solutions														
ThinkPad Port Replicator	✓	✓	✓	✓	✓		✓	✓	✓	✓			02K8667	153,00	225.00
ThinkPad UltraBase X2 Media Slice	17												08N1180	231,00	342.00
ThinkPad X3 Ultrabase		17	17										46P7912	233,00	339.00
ThinkPad Dock II with Power Cord	18	18	✓	18	18	✓	18						67P899x	☎	☎
ThinkPad Port Replicator II	18	18	✓	18	18	✓	18	18	✓	✓			74P6733	154,00	225.00
Desktop Expansion														

Description	X22/X23/X24 2660/2662	X30 2672/2673	X31 2672/2673/2884/2885	T23 2647/2648	T30 2366/2367	T40 2373/2374/2378/2379	A31/p 2652/2653	R32 2658/2659/2677	R40 2681/2682/2683/2896	R40 2722/2723/2724/2897	R40e 2684/2685	G40 2384/2387/2388/2389	Part Number	ESP (Excl. VAT) Euro	ESP (CHF) Incl VAT
Other															
ThinkPad Keyboard/Mouse Y Connector	19	19	19	✓	19			✓					54G0441	29,00	42.00
USB Serial Parallel Adapter	✓	✓	✓				✓	✓	✓	✓	✓		22P5298	93,00	142.00
Multimedia															
Other															
UltraPort Digital Array Microphone	20	20	20	20	20	20	20	20	✓	20	20	20	09N4178	165,00	243.00
FlatPanel Speakers - EU Power Cord	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	10K0160	96,19	☎
FlatPanel Speakers - Danish Power Cord	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	10K0161	☎	☎
FlatPanel Speakers - South African Power Cord	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	10K0162	☎	☎
FlatPanel Speakers - UK Power Cord	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	10K0163	☎	☎
FlatPanel Speakers - Swiss Power Cord	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	10K0164	☎	147.00
FlatPanel Speakers - Italian Power Cord	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	10K0165	☎	☎
FlatPanel Speakers - Israeli Power Cord	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	10K0166	☎	☎
T860 Speaker/USB Hub - Stealth Black		21	21		21	21		21	21	21	21	21	19K1901	131,00	191.00
15in Flat Panel Monitor Speaker Bezel	22	22	22	22	22	22	22	22	22	22	22	22	22P8986	93,00	135.00
Communications															
Modems															
International ISDN PC Card	✓	✓	✓	✓			✓	✓	✓	✓	✓		09N3606	173,00	251.00
Networking															
Adapters/Ethernet															
10/100 EtherJet CardBus Adapter	✓	✓		✓	✓	✓	✓						08L3147	128,25	203.00
Adapters/Other															
16/4 Token-Ring CardBus Adapter Cable	23	23	23	23	23	23	23	23	23	23	23	23	31L5316	16,30	25.00
Adapters/Token Ring															
PCMCIA Turbo 16/4 Token Ring Card II	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	34L1401	214,74	356.00
16/4 Token-Ring CardBus Adapter	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	34L4801	232,05	367.00
Adapters/Wireless															
High Rate Wireless LAN PC Card-128	24	24	24	24	24	24	24	24	24	24	24	24	09N9904	112,00	171.00
Bluetooth PC Card II from IBM	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	19K5796	199,00	303.00
IBM High Rate Wireless LAN Mini-PCI Adapter		✓			✓			✓					22P7701	140,00	204.00
Cisco Aironet Wireless 802.11b Mini PCI Adapter by IBM		✓	✓		✓	✓		✓	✓	✓			31P8303	160,00	233.00
Intel PRO/Wireless LAN 2100 3B Mini-PCI Adapter			✓			✓				✓			31P8601	115,00	170.00
Other															
9-PIN PC CARD D-SHELL CABLE	25	25	25	25	25	25	25	25	25	25	25	25	85H3654	16,85	27.00
Security Solutions															
Physical Protection															
Asset ID RF Adapter				✓									08K6064	37,00	54.00
Smart Card Solutions															
Gemplus GemPC400 Compact Smart Card Reader Writer from IBM	26	26	26	26	26	26	26	26	26	26	26	26	31P8901	94,00	137.00
Power															
AC Adapters															
ThinkPad 72W AC Adapter - EU power cord	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		02K6701	61,00	☎
ThinkPad 72W AC Adapter - Danish power cord	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		02K6702	☎	☎
ThinkPad 72W AC Adapter - South African/Indian power cord	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		02K6703	☎	☎
ThinkPad 72W AC Adapter - UK power cord	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		02K6704	☎	☎
ThinkPad 72W AC Adapter - Swiss power cord	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		02K6705	☎	88.00
ThinkPad 72W AC Adapter - Italian power cord	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		02K6706	☎	☎
ThinkPad 72W AC Adapter - Israeli power cord	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		02K6707	☎	☎
ThinkPad Ultraportable 56W AC Adapter - EU power cord	✓	✓	✓										02K6882	87,00	☎
ThinkPad Ultraportable 56W AC Adapter - Danish power cord	✓	✓	✓										02K6883	☎	☎

Description	X22/X23/X24 2660/2662	X30 2672/2673	X31 2672/2673/2884/2885	T23 2647/2648	T30 2366/2367	T40 2373/2374/2378/2379	A31p 2652/2653	R32 2658/2659/2677	R40 2681/2682/2683/2896	R40 2722/2723/2724/2897	R40e 2684/2685	G40 2384/2387/2388/2389	Part Number	ESP (Excl. VAT) Euro	ESP (CHF) Incl VAT
ThinkPad Ultraportable 56W AC Adapter - South African power cord	✓	✓	✓										02K6884	☎	☎
ThinkPad Ultraportable 56W AC Adapter - United Kingdom power cord	✓	✓	✓										02K6886	☎	☎
ThinkPad Ultraportable 56W AC Adapter - Swiss power cord	✓	✓	✓										02K6887	☎	132.00
ThinkPad Ultraportable 56W AC Adapter - Italian power cord	✓	✓	✓										02K6888	☎	☎
ThinkPad Ultraportable 56W AC Adapter - Israeli power cord	✓	✓	✓										02K6889	☎	☎
ThinkPad 72W AC/DC Combo Adapter with Power Cord	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		22P901X	☎	☎
ThinkPad 120W AC Power Adapter with EU Linecord												✓	22P9152	63,00	93.00
ThinkPad 120W AC Power Adapter with UK linecord												✓	22P9153	63,00	93.00
ThinkPad 120W AC Power Adapter with Denmark linecord												✓	22P9154	63,00	93.00
ThinkPad 120W AC Power Adapter with South Africa/India linecord												✓	22P9155	63,00	93.00
ThinkPad 120W AC Power Adapter with Israel linecord												✓	22P9156	63,00	93.00
ThinkPad 120W AC Power Adapter with Italy linecord												✓	22P9157	63,00	93.00
ThinkPad 120W AC Power Adapter with Switzerland linecord												✓	22P9158	63,00	93.00
Batteries															
ThinkPad UltraBay 2000 Lithium-Ion Battery		27	27	✓	✓		✓	✓	✓	✓			02K6646	216,00	316.00
ThinkPad T20 Series Lithium-Ion Battery				✓									02K6649	194,00	285.00
ThinkPad X20 Series Lithium-Ion Battery	✓												02K6651	205,00	298.00
ThinkPad A30 Series Lithium-Ion System Battery							✓						02K6878	181,00	256.00
ThinkPad X30 Series Li-Ion Battery		✓	✓										02K7039	205,00	298.00
ThinkPad X30 Series Extended Life Battery		✓	✓										02K7041	219,00	319.00
ThinkPad T30 Series Lithium-Ion System Battery					✓								02K7050	194,00	285.00
ThinkPad R32 Lithium-Ion Battery								✓	✓	✓			02K7052	181,00	256.00
ThinkPad G40 Series Li-ion Battery												✓	08K8178	172,00	254.00
ThinkPad Ultrabay Slim Li-Polymer Battery						✓							08K8190	203,00	300.00
ThinkPad T40 Series High Capacity Li-Ion Battery						✓							08K8197	233,00	342.00
ThinkPad T40 Series Li-Ion Battery						✓							08K8214	179,00	262.00
ThinkPad R40e Li-Ion Battery											✓		08K8218	164,00	241.00
Chargers															
ThinkPad Multiple Li-Ion/NiMH Battery Charger	28	28	28	28	28		28	28	28	28	28		02K6719	132,00	194.00
ThinkPad Multiple Battery Charger II	28	28	28	28	28	28	28	28	28	28	28	29	22P9040	178,00	261.00
Accessories															
Adapters/Other															
ThinkPad USB 2.0 Cardbus Adapter	30	30		30	30		30	30					33L3245	132,00	196.00
Carrying Cases															
ThinkPad Alpha Plus Carry Case	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	09N4163	80,97	127.00
ThinkPad Alpha Executive Carry Case	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	09N4165	93,00	137.00
ThinkPad Alpha Backpack Carry Case	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	09N4169	85,00	124.00
ThinkPad Alpha Carry Case	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	09N4171	51,63	82.00
ThinkPad Premiere Leather Carrying Case	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10K0209	137,00	202.00
Keyboards															
Stealth Black Preferred Keyboard	19			✓			✓	✓					22P732y	☎	☎
Stealth Black Space Saver II Keyboard	19			✓				✓	✓				28L36yy	☎	☎
Stealth Black Preferred USB Keyboard with 2-Port USB Hub	31	31	8	31		8	31	31	31	8	8	8	10K385x	☎	☎
Stealth Black Wireless Keyboard and Mouse Kit	32	32		32			32						22P51xx	52,00	77.00
Stealth Black TrackPoint USB Space Saver Keyboard	31	31	8	31	31	8	33		31	8	8	8	22P51yy	☎	☎

Description	X22/X23/X24 2660/2662	X30 2672/2673	X31 2672/2673/2884/2885	T23 2647/2648	T30 2366/2367	T40 2373/2374/2378/2379	A31p 2652/2653	R32 2658/2659/2677	R40 2681/2682/2683/2896	R40e 2684/2685	G40 2384/2387/2388/2389	Part Number	ESP (Excl. VAT) Euro	ESP (CHF) Incl VAT
104-Key Stealth Black Rapid Access III USB Keyboard with Hub - Arabic	31	31	8	31	31	8	33	31	31	8	8	8	22P5205	☎	☎
Stealth Black Rapid Access III USB Keyboard with Hub	31	31	8	31	31	8	33	31	31	8	8	8	22P5xxx	☎	☎
ThinkPad Ultrabay Plus Numeric Keypad		34	34	34	34		34	34	34	34			22P7330	93,00	142.00
Stealth Black Preferred Pro Full-size PS/2 Keyboard	19	✓	✓	✓			✓	✓	✓	✓	✓	✓	31P74xx	31,00	47.00
USB Keyboard with UltraNav	16	16	16	16	16	16	16	16	16	16	16	16	31P89XX	94,00	137.00
USB Travel Keyboard with UltraNav	16	16	16	16	16	16	16	16	16	16	16	16	31P9XXX	☎	☎
USB 17-Key Stealth Black Numeric Keypad	35	35	35	35	35	35	35	35	35	35	35	35	33L3225	73,91	116.00
Pointing Devices															
IBM Sleek 2-Button Mouse - Stealth Black (PS/2)	19		✓	✓				✓	✓	✓	✓	✓	28L3675	14,00	20.00
USB Optical Wheel Mouse	36	36	36	36	36	36	36	36	36	36	36	✓	06P4069	23,00	34.00
Optical 3-Button ScrollPoint Mouse (800dpi) PS/2 & USB	36	36	36	36	36	36	36	36	36	36	36	✓	31P7405	31,00	47.00
Optical 3-Button Travel Wheel Mouse (800dpi) PS/2 & USB	36	36	36	36	36	36	36	36	36	36	36	✓	31P7410	41,00	60.00
Optical 3-Button ScrollPoint Pro Mouse (800dpi) PS/2 & USB	36	36	36	36	36	36	36	36	36	36	36	✓	31P8700	35,00	52.00
Memory Keys															
32MB USB Memory Key	8	8	8	8	✓	8	8	8	8	8	8		22P5296	38,00	59.00
64MB USB 2.0 Memory Key	8	8	8	8	8	8	8	8	8	8	8	8	22P9024	105,00	153.00
256MB USB 2.0 Memory Key	8	8	8	8	8	8	8	8	8	8	8	8	22P9025	190,00	290.00
Other															
ThinkPad Monitor Stand 2001	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	22P5265	96,00	142.00
USB - Parallel Printer Cable	37			37									19K4164	27,00	60.00
IBM Radial Arm	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	19K4464	203,25	322.00
UltraPort Compact Flash Reader	20	20	20	20	20	20	20	✓	20	20	20	20	19K4510	52,00	77.00
Bretford Notebook Storage Cart LAPTG15TT-GM - Italy	✓	✓		✓	✓		✓	✓					22P8650	☎	☎
Bretford Notebook Storage Cart LAPTG15BB-GM - France, Belgium	✓	✓		✓	✓		✓	✓					22P8651	☎	☎
Bretford Notebook Storage Cart LAPTG15FF-GM - South Africa	✓	✓		✓	✓		✓	✓					22P8652	☎	☎
ThinkPad Ultrabay Plus Device Carrier		3	3	✓	✓		✓	✓	✓	✓			27P5737	80,00	122.00
ThinkPad Ultrabay Plus Cradle for WorkPad c500 Series		34	34	34	34		34	34	34	34			27P5738	80,00	122.00
Kensington Slim MicroSaver Security Cable (50 Pack)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	31P9337	2.000,00	2,970.00
Bretford Notebook Storage Cart LAPTG15KK-GM - UK, Ireland	✓	✓		✓	✓		✓	✓					33L5065	☎	☎
Bretford Notebook Storage Cart LAPTG15WW-GM - Switzerland	✓	✓		✓	✓		✓	✓					33L5066	☎	1,630.00
Bretford Notebook Storage Cart LAPTG15ZZ-GM - Europe	✓	✓		✓	✓		✓	✓					33L5067	1.100,00	☎
Projectors															
IBM iLM300 MicroPortable Data/Video Projector - UK	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	31P6905	☎	☎
IBM iLM300 MicroPortable Data/Video Projector - Europe (except CEE countries)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	31P6913	2.590,00	☎
iLV200 ValueBased and iLC200 Conference Room Projector Lamp	38	38	38	38	38	38	38	38	38	38	38	38	31P6936	465,00	689.00
iLV300 Value Data/Video Projector - UK	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	31P9861	☎	☎
iLV300 Value Data/Video Projector - EU	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	31P9864	1.580,00	☎
iLV300 Value Data/Video Projector - Italian	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	31P9865	☎	☎
iLV300 Value Data/Video Projector - Danish	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	31P9866	☎	☎
iLV300 Value Data/Video Projector - Swiss	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	31P9869	☎	2,360.00
Projector Lamp for iLV300 Value Data/Video Projector	39	39	39	39	39	39	39	39	39	39	39	39	31P9870	518,00	781.00
iLC300 Conference Room Data/Video Projector - UK	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	31P9901	☎	☎
iLC300 Conference Room Data/Video Projector - EU	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	31P9904	3.780,00	☎
iLC300 Conference Room Data/Video Projector - Italian	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	31P9905	☎	☎
iLC300 Conference Room Data/Video Projector - Danish	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	31P9906	☎	☎

Description	X22/X23/X24 2660/2662	X30 2672/2673	X31 2672/2673/2684/2685	T23 2647/2648	T30 2366/2367	T40 2373/2374/2378/2379	A31/p 2652/2653	R32 2658/2659/2677	R40 2681/2682/2683/2696	R40 2722/2723/2724/2897	R40e 2684/2685	G40 2384/2387/2388/2389	Part Number	ESP (Excl. VAT) Euro	ESP (CHF) Incl VAT
iLC300 Conference Room Data/Video Projector - Swiss	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	31P9909	☎	5,680.00
Projector Lamp for iLC300 Conference Room Data/Video Projector	40	40	40	40	40	40	40	40	40	40	40	40	31P9910	459,00	691.00
Projector Lamp - ValueBased & Conference Room Projectors	41	41		41	41		41	41					33L3436	450,52	682.00
Projector Lamp for MicroPortable Data/Video Projector	42	42	42	42	42	42	42	42	42	42	42	42	33L3456	399,98	611.00
IBM iLM300 MicroPortable Data/Video Projector - Denmark	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	33L3532	☎	☎
IBM iLM300 MicroPortable Data/Video Projector - Switzerland	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	33L3533	☎	3,890.00
IBM iLM300 MicroPortable Data/Video Projector - Italy	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	33L3534	☎	☎
Projector Lamp - iLM300 MicroPortable Projector	43	43	43	43	43	43	43	43	43	43	43	43	33L3537	439,00	639.00
Flat Panel Monitors															
Flat Panel Essential															
T541 15in Analogue TFT LCD (15.0in/380mm VIS) TCO-99 Stealth Black Colour Monitor	✓	✓	44	✓	✓	44	✓	✓	44	44	44	44	T12ABxx	529,00	779.00
IBM ThinkVision L170 17.0in Analogue TFT LCD (17.0in/432mm VIS) TCO-99 Stealth Black Colour Monitor	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	T34ABXX	606,00	893.00
IBM ThinkVision L170 17.0in Analogue TFT LCD (17.0in/432mm VIS) TCO-99 Stealth Black Colour Monitor	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	T34ANXX	523,00	789.00
T541 15.0in Analogue TFT LCD (15.0in/380mm VIS) TCO-99 Stealth Black Colour Monitor	✓	✓	44	✓	✓	✓	✓	✓	44	44	44	44	T41ABxx	341,00	517.00
T710 17.0in Analogue TFT LCD (17.0in/432mm VIS) TCO-99 Stealth Black Colour Monitor	✓	✓	44	✓	✓	44	✓	✓	44	44	44	44	T71ABxx	827,00	1,220.00
Flat Panel Performance															
T541H 15.0in Hybrid TFT LCD (15.0in/380mm VIS) TCO-99 Stealth Black Colour Monitor	✓	✓	44			44	✓	✓	44	44	44	44	T12HBXX	560,00	825.00
T541L 15.0in Hybrid TFT LCD (15.0in/380mm VIS) TCO-99 Stealth Black Colour Monitor	✓	✓	44			44	✓	✓	44	44	44	44	T12LBXX	553,00	807.00
IBM ThinkVision L170p 17.0in Hybrid TFT LCD (17.0in/432mm VIS) TCO-99 Stealth Black Colour Monitor	44	44	44	44	44	44	44	44	44	44	44	44	T34HBXX	663,00	978.00
IBM ThinkVision L200p 20.1in Hybrid TFT LCD (20.1in/511mm VIS) TCO-99 Stealth Black Colour Monitor	44	44	44	44	44	44	44	44	44	44	44	44	T36HBXX	1.890,00	2,760.00
T860 18.1in Hybrid TFT LCD (18.1in/460mm VIS) TCO-99 Stealth Black Colour Monitor		✓	44		✓	44		✓	44	44	44	44	T4HB0xx	1.250,00	1,840.00
T560 15.0" Hybrid TFT LCD (15.0"/380mm VIS) TCO-99 Stealth Black Colour Monitor	✓	✓	44	✓	✓	44	✓	✓	44	44	44	44	T56HGxx	694,00	1,010.00
T750 17.0in Hybrid TFT LCD (17.0in/433mm VIS) TCO-99 Stealth Black Colour Monitor	✓	✓	44	✓	✓	44	✓	✓	44	44	44	44	T75HGXX	938,00	1,360.00
CRT Monitors															
CRT Essential															
E74 17in FST (15.9in/404mm VIS) MPR-II Stealth Black Colour Monitor	44	44	44	44	44	44	44	44	44	44	44	44	T0747XX	185,00	279.00
E74 17in FST (15.9in/404mm VIS) MPR-II Stealth Black Colour Monitor	44	44	44	44	44	44	44	44	44	44	44	44	T07B7XX	152,00	231.00
G78 17" FLAT (16.0" VIS) 85KHz 0.25mm 1280x1024/75Hz TCO-99 NH Stealth Black Colour Monitor	✓	✓	44	✓	✓	44	✓	✓	44	44	44	44	T274Axx	256,00	377.00
G78 17in Flat CRT (16.0in/406mm VIS) TCO-03 Two-Tone Black Monitor	✓	✓	44	✓	✓	44	✓	✓	44	44	44	44	T27KAxx	256,00	377.00
G78 17in Flat CRT (16.0in/406mm VIS) TCO-03 Two-Tone Black Monitor	✓	✓	44	✓	✓	44	✓	✓	44	44	44	44	T27KBXX	215,00	324.00
IBM ThinkVision C170 17in Flat CRT (16.0in/406mm VIS) TCO-99 Stealth Black Colour Monitor	44	44	44	44	44	44	44	44	44	44	44	44	T3766XX	228,00	346.00
IBM ThinkVision C170 17in Flat CRT (16.0in/406mm VIS) TCO-99 Stealth Black Colour Monitor	44	44	44	44	44	44	44	44	44	44	44	44	T376BXX	☎	☎
IBM ThinkVision C170 17in Flat CRT (16.0in/406mm VIS) TCO-03 Two-Tone Black Colour Monitor	44	44	44	44	44	44	44	44	44	44	44	44	T37K6XX	228,00	346.00
IBM ThinkVision C190 19in Flat CRT (18.0in/457mm VIS) TCO-99 Stealth Black Colour Monitor	44	44	44	44	44	44	44	44	44	44	44	44	T3960XX	306,00	461.00

Description	X22/X23/X24 2660/2662	X30 2672/2673	X31 2672/2673/2884/2885	T23 2647/2648	T30 2366/2367	T40 2373/2374/2378/2379	A31/p 2652/2653	R32 2658/2659/2677	R40 2681/2682/2683/2896	R40 2722/2723/2724/2897	R40e 2684/2685	G40 2384/2387/2388/2389	Part Number	ESP (Excl. VAT) Euro	ESP (CHF) Incl VAT
IBM ThinkVision C190 19in Flat CRT (18.0in/457mm VIS) TCO-03 Two-Tone Black Colour Monitor	44	44	44	44	44	44	44	44	44	44	44	44	T39K0XX	306,00	461.00
G97 19in FST (18.0in/457mm VIS) TCO-99 Stealth Black Colour Monitor	✓	45	44	45	45	44	✓	✓	44	44	44	44	T44ANxx	235,00	355.00
CRT Performance															
P97 19in FD Trinitron CRT (18.0in/456mm VIS) TCO-95 Stealth Black Colour Monitor	✓	44	44	✓	44	44	✓	✓	44	44	44	44	T1U3Nxx	494,00	753.00
P77 17" FD Trinitron CRT (16.0"/407mm VIS) TCO-95 Stealth Black Colour Monitor	✓	✓	44	✓	✓	44	✓	✓	44	44	44	44	T39U3XX	373,00	549.00
P275 21" FD Trinitron CRT (19.8"/503mm VIS) TCO-99 Stealth Black Colour Monitor	✓	✓	44	✓	✓	44	✓	✓	44	44	44	44	T52U3xx	991,00	1,460.00

1. The maximum system memory is 1 GB

2. Requires UltraBase X2 Media Slice.

3. Requires ThinkPad X3 Ultrabase (46P7912).

4. Requires the ThinkPad Slim Drive Adapter for Ultrabay 2000 (62P4557) and the ThinkPad X3 Ultrabase (46P7912).

5. Requires the ThinkPad Slim Drive Adapter for Ultrabay 2000 (62P4557)

6. Supported only on the X24 models. Requires UltraBase X2 Media Slice (08N1180)

7. Requires the USB Card Bus Adapter 33L3245 to realize USB 2.0 performance.

8. Supported on an enabled USB port with Windows 98 or Windows 2000.

9. Supported on an enabled USB port with Windows 98 or Windows 2000 or Windows Millennium. System can be booted from this drive.

10. Can be installed internally or attached externally with ThinkPad T Series FDD External Cable Kit (27L0524).

11. May be used as the primary hard disk drive or requires UltraBase X2 Media Slice and 2nd HDD Adapter for Ultrabay 2000.

12. May be used as the primary hard disk drive or requires ThinkPad X3 Ultrabase (46P7912) and 2nd HDD Adapter for Ultrabay 2000 (08K6068)

13. May be used as the primary hard disk drive. Requires the 2nd HDD adapter for Ultrabay 2000 when used in the Ultrabay.

14. May be used as the primary Hard Disk Drive or requires the ThinkPad Second HDD Adapter for Ultrabay Slim (62P4554) when used in the Ultrabay Slim.

15. May be used as the primary system Hard Disk Drive upgrade.

16. Supported on Windows 2000 and Windows XP only.

17. Cannot be used when the system is docked in the ThinkPad Port Replicator (02K8667) or the ThinkPad Dock.

18. System supports USB 1.1 and 10/100 GB Ethernet only.

19. Cannot be attached directly to the system. Requires the UltraBase X2 Media Slice (08N1180) or the ThinkPad Port Replicator (02K8667) or the ThinkPad Dock.

20. This option can be attached via an Ultraport or a USB connection.

21. To be used on T860 Flat Panel monitors with serial numbers 66-Axxxx.

22. Can be used on the T541 and the T560 Flat Panel monitors

23. Must be used with 16/4 Token-Ring CardBus Adapter (34L4801).

24. Requires a High Rate Wireless LAN Access Point nearby to provide an Ethernet connection.

25. To be used with the Token-Ring 16/4 PC Card Adapter 2 (34L1401).

26. Requires Windows 2000, Windows XP, or Windows NT 4.0.

27. Requires ThinkPad X3 Ultrabase (46P7912)

28. Requires an AC Power Adapter like the one that came with the system or the 72W AC/DC Combo Adapter or the 72W AC Adapter or the ThinkPad Ultraportable 56W AC Adapter.

29. Requires an AC Power Adapter like the 72W AC/DC Combo Adapter or the 72W AC Adapter.

30. Power management may not work satisfactorily with Win 98 or Win Me. Removal of card prior to these functions may be necessary.

31. Early versions of Windows 98 may require the USB device to be unplugged if it is not recognized after Standby Mode. Certain systems have BIOS limitations that prevent the presence of the USB keyboard from being recognized prior to the operating system being loaded. This prohibits power-on passwords and F1 related system settings.

32. The receiver portion of the kit requires a USB connection.

33. Certain systems have BIOS limitations that prevent the presence of the USB keyboard from being recognized prior to the operating system being loaded. This prohibits power-on passwords and F1 related system settings.

34. Requires the ThinkPad UltraBay Plus Carrier 27P5737.

35. Early versions of Windows 98 may require the USB device to be replugged if it is not recognized after Standby Mode.

36. Windows 95 and Windows NT do not support the USB attachment.

37. Several printers have failed when operating with Windows 2000, notably the Lexmark Z11 and Z31. Supported on an enabled USB port with Windows 98, 2000, or Millennium Edition.

38. To be used in the Value Based Data/Video and the Conference Room Data/Video Projectors A02 models.

39. To be used in the iLV300 Value Data/Video Projector (M/T 0038A03)

40. To be used in the iLC300 Conference Room Data/Video Projector (M/T 0039A03)

41. To be used in both the ValueBased and the Conference Room Data/Video Projectors.

42. To be used in the MicroPortable Data/Video Projector.

43. To be used in the iLM300 MicroPortable Data/Video Projector 0037-A03.

44. This monitor has been tested with IBM personal computers and is compatible with systems and graphics adapters which comply with the relevant parts of "VESA and industry standards and guidelines for computer display monitor timing" version 1.0 revision 0.8, adopted September 17, 1998.

Supported display modes and number of colors are a function of the attaching system unit. The full range of display modes, refresh rates, and number of colors available with this monitor may not be available or supported with all combinations of system units, their operating systems, and application software. Implementation of monitor Plug and Play follows the VESA DDC standard. This standard must also be implemented in the attaching system unit hardware and software to be effective.

45. Y-audio cable can not be attached to this system. Purchase of an additional cable is required.

IBM Global Financing

IBM Global Financing (IGF) is IBM's financier. With €36 billion worth of assets, IGF is the world's largest IT financier with a presence in all European countries. IGF offers businesses of all sizes flexible leasing and financing programmes enabling them to acquire hardware, software, services and to deploy e-business on demand solutions. IGF also provides Business Partners with offerings for term loans, inventory financing, accounts receivable, acquisitions and their customers' acquisitions. In addition, IGF provides a world class service for refurbished equipment, and a comprehensive IT equipment disposal service.

IT Financing -- Provides financing for the acquisition of IT technology.

SuccessLease

- Financing for all deals under €50K
- All products on one simple contract

EasyLease

- Financing for all deals between €50K - €500K
- Covers the total IT solution
- Easy to calculate with simple ratecards

Flexible Financing

- All deals, tailored to customer requirements, above €500K

Commercial Financing -- Provides working capital for IBM Business Partners and suppliers.

Refurbished Equipment -- Manages Residual Value by remarketing used equipment.

PC Financing Choice is a financing solution offered by **IGF**, which incorporates a range of PC leasing options, targeted at different business needs. From EasyLease to Flexible Financing for customers who are looking for customised financing solutions.

Why Financing
▪ Overcomes budget limitations
▪ Reduces technology obsolescence
▪ Reduces Total Cost of Ownership by using residual values
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▪ Preserves cash for higher yield investments
▪ Accelerates deployment of new technology

Why IBM Global Financing
▪ Low rate financing
▪ Single funding source -- **IGF** will finance your PCs, servers, software and services, both IBM and non-IBM
▪ Asset management through the **IGF** Customer Centre
▪ Easy equipment disposal at end of lease
▪ New capital funds source (PC Buyback - Sale leaseback)

Contacting IGF:

France:	Visit **ibm.com**/financing/fr	
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Italy:	Visit **ibm.com**/financing/it	
Spain:	Visit **ibm.com**/financing/es	
UK:	Visit **ibm.com**/financing/uk	**or** email GFHELP@uk.ibm.com

To contact IGF in the UK by phone, call the IGF help desk on 0870 870 8760.

Smarter Deployment with IBM

IBM offers software tools to help you deliver more than just hardware to your customers. When you sell an IBM ThinkPad notebook, ThinkCentre or NetVista desktop, consider the extra value of selling leading-edge tools making software image deployment, management and recovery easier for your customers' IT Department.

IBM ImageUltra Services is a set of custom image creation services that can simplify deployment by combining multiple languages, hardware platforms and up to two operating systems into a single deployable image.

IBM ImageUltra Builder

Designed for enterprise customers, this set of custom image creation services is now available for use by in-house IT staff to build their own ImageUltra images and to quickly deploy them. In addition to supporting many IBM desktop and ThinkPad systems, ImageUltra Builder has been tested on selected desktops and notebook systems from Dell, Fujitsu, HP/Compaq, Legend and NEC, and on notebooks from Toshiba. While some configurations may not be compatible, a system must meet the following minimum requirements to be eligible for support:

- Intel platform with 400MHz Pentium processor
- 128MB RAM and 100MB available hard disk space
- Removable media drive
- Microsoft WHQL certification for all device drivers
- Windows 2000 or Windows XP, XP Pro, XP Home operating system

NEW ! Version 2.0 includes the following enhancements:

- Easier to use Menu with 'drag and drop' user interface
- Customise and preview options help you tune your image deployment to perfection
- Full integration with IBM Rapid Restore Ultra
- Support from IBM Imaging Services (IITC)

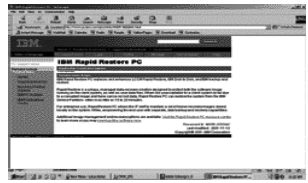
- **Free upgrade** to existing IU version 1.1 customers.

"ImageUltra is estimated to save companies up to $100 per PC over a three-year period."
- Edge, 3/02

IBM Rapid Restore Ultra: One Button recovery and restore solution

Rapid Restore Ultra provides a hassle-free one-button recovery solution that lets a user restore data, files, applications and operating system from their own hard disk drive. Rapid Restore helps you increase uptime and helps reduce IT costs by creating a complete image backup stored in a protected partition on the hard drive. Designed with flexibility in mind, RRPC helps restore the complete image or individual files even if the system becomes corrupted by simply pressing the F11 key.

USB 2.0 Hard Drive with Rapid Restore



This unique hard disk drive comes pre-loaded with IBM Rapid Restore software to enable a complete image backup of user and system data. (40GB standard capacity)

IBM Ordering Part number: 09N4255

For more information Contact your local IBM Sales representative or visit **ibm.com**/pc/europe/migration

IBM NetVista family of desktops

Highlights

Power and flexibility

Choose select NetVista desktops and enjoy Pentium 4 processors, fast IBM Double Data Rate (DDR) memory, up to 6 USB 2.0 ports and extra slots and bays. You get the power you need now, plus the flexibility to expand in the future. Optional video cards from ATI and NVIDIA on A Series 'Individual models' tackle multimedia-intensive demands.

Designed for manageability

Multiple chassis designs give you a choice of NetVista desktops for almost any environment. NetVista M Series offer four different forms - Tower, Desktop, Small Desktop or Sealed Desktop - with a single common software image for superior manageability. The S Series offers a small form factor for situations where office space is a key concern, but full desktop technology is needed. Toolless PCI slots featured on all NetVista models make upgrades and maintenance simple.

System recovery tools

IBM Rapid Restore PC (preloaded) reduces IT hassles by restoring the operating system, applications and files should a corruption occur. ImageUltra is also available to help your IT department simplify PC software image management.

Embedded security

The IBM Embedded Security Subsytem, a hardware- and software based solution on selected NetVista M Series desktops, Provides a secure environment for authentication and Public Key Infrastructure (PKI) and Virtual Private Networking (VPN) communications. (Requires download of security software from IBM and third-party digital certificate).

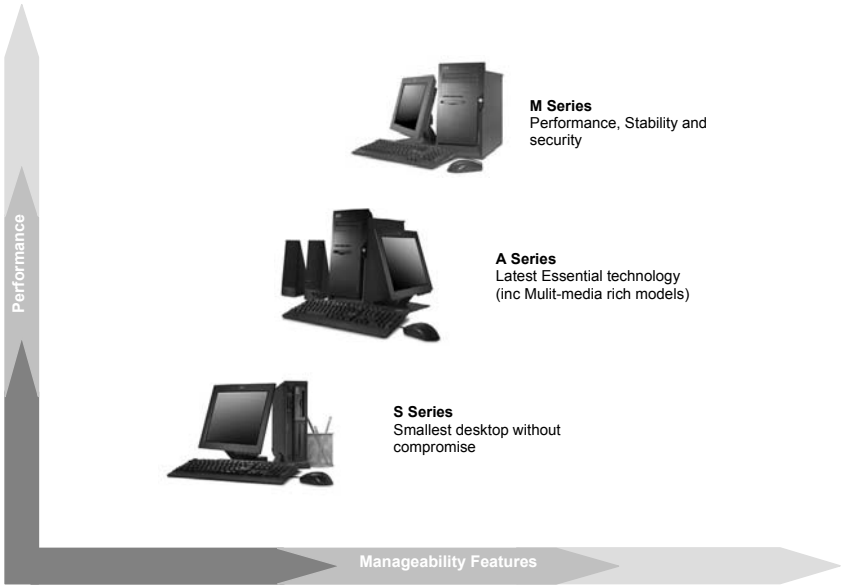
Latest communication technology

NetVista offers a full choice of communications including intergrated Intel PRO/1000 MT Network Connection (on selected models) for Gigabit Ethernet and optional Wi-Fi certified Wireless LAN PCI adapters for hard-to-network environments.

Worldwide service and support

With worldwide support locations and a choice of optional service plans, you have the technical back-up you need. On-system and Online support through Access IBM and Access Support.

Which NetVista desktop is right for you?



M Series
Performance, Stability and security

A Series
Latest Essential technology (inc Mulit-media rich models)

S Series
Smallest desktop without compromise

Maximum performance and stability with enhanced security models

IBM NetVista M Series

Highlights

- ***Stable platform including long-life workhorse models (select models) available to help reduce testing and qualification costs***
- ***Choice of chassis designs with common system board and software image to help simplify deployment and management***
- ***Increase uptime with IBM Rapid Restore PC (Pre-loaded on new models)***
- ***NEW! TCPA-compliant IBM Embedded Security Subsystem 2.0 to help secure communications (select models; requires third party digital certificate; not included)***
- ***Industry-leading manageability for rapid deployment and remote management***
- ***Range of optional monitors including power-saving flat panel monitors***
- ***Customise your NetVista M Series desktop with accessories and options from IBM***

Specifications	
Memory	M42 - 266 MHz DDR (Double-Data rate) SDRAM (PC2100) M41 - 133 MHz SDRAM
Network Communications	Intel 10/100/1000 Ethernet (Gigabit Ethernet) integrated with Wake on LAN support (selected models) Intel 10/100 Ethernet on standard models
Video Graphics	M42: Integrated Intel Integrated Extreme Graphics (64MB or 128MB of Video memory, allocated from system memory) 4X AGP slot on small desktop, desktop and tower models.
Audio	Intel SoundMAX with SPX (on planar)
Keyboard/Mouse	IBM Standard Keyboard, IBM Mouse (2 Button)
Embedded Security System (Selected Models)	The IBM Embedded Security Subsystem (ESS) , gives you TCPA compliant (Industry standard) software and hardware protection for your companies data and communications. These models also feature the chassis keylock (standard on NetVista) and have added protection from the C2 Detection system tamper switch, helping to detect unwanted physical access
Sealed Desktop (0x2)	2 bays: (1) 3.5" Accessible, (1) 5.25" External access HH Accessible 9 ports: (2) serial, (1) parallel and (6) USB (two in the front and four in the rear)
Small Desktop (4x3)	3 PCI slots Low Profile (half size maximum) 1 AGP slot Low Profile (half size maximum) 3 bays: (1) 3.5" Accessible, (1) 3.5" Non-Accessible and (1) 5.25" HH Accessible 7 ports: (2) serial, (1) parallel and (4) USB (two in the front and two in the rear) M42: (6) USB (two in the front and four in the rear)
Desktop (4x4)	3 PCI slots (three quarter size maximum) 1 AGP slot (three quarter size maximum) M42: Full length PCI / AGP Slots 4 bays: (2) 3.5" Accessible, (1) 3.5" Non-Accessible and (1) 5.25" HH Accessible 7 ports: (2) serial, (1) parallel and (4) USB (two in the front and two in the rear) M42: (6) USB (two in the front and four in the rear)
Tower (4x5)	3 PCI slots (three quarter size maximum) 1 AGP slot (three quarter size maximum) 5 bays: (2) 3.5" Accessible, (1) 3.5" Non-Accessible and (2) 5.25" HH Accessible 7 ports: (2) serial, (1) parallel and (4) USB (two in the front and two in the rear) M42: (6) USB (two in the front and four in the rear)
Software (Varies by country)	Preloaded: Access IBM, ConfigSafe, Netscape Communicator, Microsoft Office XP (select models), Microsoft Works Suite (select models) IBM Rapid Restore PC Downloadable: IBM Client Security Software 2.0 (IBM Embedded Security Subsystem models only), IBM Data Transfer, Norton AntiVirus, Software Migration Assistant, Universal Manageability Services, Update Connector Licence: Lotus Notes (CD not included), Lotus SmartSuite (CD not included) Power Supply: Sealed Desktop (0x2): 125 Watts, Small Desktop (4x3): 160-185 Watts, Desktop (4x4): 155-185 Watts, Tower (4x5): 185 Watts
Warranty (varies by country)	3 years limited warranty - onsite

NetVista M Series Model Comparison

	Processor (MHz)	Memory: std./max. (MB/GB)	Hard Disk Drive Size (GB)	Graphic chip set	Optical Drive	Ethernet (10/100 or Gigabit)	Embedded Security Subsystem	Slots: total/available.	Bays: total/available.	Operating System	Part number	Model Type	ESP (Excl. VAT)	ESP (CHF) Incl VAT
	M42 - Desktop 4x4													
	P4 1.80	256/2	40	Intel Extreme Graphics	CD-ROM	10/100		4/4	4/1	Win XP	PCJ51xx	8305-51G	1.200,00	1,740.00
	P4 1.80	256/2	40	Intel Extreme Graphics	CD-ROM	Gbit.		4/4	4/1	Win XP	PCJ53xx	8305-53G	1.230,00	1,760.00
WH	P4 2.40	256/2	40	Intel Extreme Graphics	DVD-ROM	Gbit.		4/4	4/1	Win XP	PCJ41xx	8305-41G	1.700,00	2,470.00
WH	P4 2.40	256/2	40	Intel Extreme Graphics	CD-ROM	10/100		4/4	4/1	Win XP	PCJ42xx	8305-42G	1.640,00	2,370.00
WH	P4 2.40	256/2	40	Intel Extreme Graphics	DVD-ROM	Gbit.	✓	4/4	4/1	Win XP	PCJ49xx	8305-49G	1.720,00	2,490.00
TS	P4 2.40	256/2	40	Intel Extreme Graphics	CD-ROM	10/100		4/4	4/1	Win XP	PCJ72XX	8305-72G	800,00	1,200.00
TS	P4 2.40	256/2	40	Intel Extreme Graphics	CD-ROM	10/100		4/4	4/1	Win XP	PCJ72XX	8305-72G	800,00	1,200.00
TS	P4 2.40	256/2	40	Intel Extreme Graphics	CD-ROM	10/100		4/4	4/1	W2000	PCJ73XX	8305-73G	800,00	1,200.00
TS	P4 2.40	256/2	40	Intel Extreme Graphics	CD-ROM	10/100		4/4	4/1	W2000	PCJ73XX	8305-73G	800,00	1,200.00
WH	P4 2.53	256/2	40	Intel Extreme Graphics	CD-ROM	10/100		4/4	4/1	Win XP	PCJ61xx	8305-61G	1.660,00	2,370.00
WH	P4 2.66	256/2	40	Intel Extreme Graphics	CD-ROM	10/100		4/4	4/1	Win XP	PCJ81xx	8305-81G	1.990,00	2,840.00
WH	P4 2.66	256/2	40	Intel Extreme Graphics	DVD-ROM	Gbit.		4/4	4/1	Win XP	PCJ82xx	8305-82G	2.060,00	2,940.00
	P4 2.80	256/2	40	Intel Extreme Graphics	CD-ROM	10/100		4/4	4/1	Win XP	PCJD1xx	8305-D1G	2.230,00	3,190.00
	P4 2.80	256/2	40	Intel Extreme Graphics	DVD-ROM	Gbit.	✓	4/4	4/1	Win XP	PCJD9xx	8305-D9G	2.010,00	2,920.00
	P4 3.06	256/2	40	Intel Extreme Graphics	CD-ROM	10/100		4/4	4/1	Win XP	PCJE1xx	8305-E1G	2.500,00	3,590.00
	P4 3.06	256/2	40	Intel Extreme Graphics	CD-ROM	Gbit.		4/4	4/1	Win XP	PCJE2xx	8305-E2G	2.520,00	3,600.00
	M42 - Sealed Desktop 0x2													
	P4 1.80	256/2	40	Intel Extreme Graphics	CD-ROM	10/100		0/0	2/0	Win XP	PCG51xx	8301-51G	1.170,00	1,690.00
	P4 2.00	256/2	40	Intel Extreme Graphics	CD-ROM	10/100		0/0	2/0	Win XP	PCG23xx	8301-23G	1.230,00	1,780.00
	P4 2.26	256/2	40	Intel Extreme Graphics	CD-ROM	10/100		0/0	2/0	Win XP	PCG31xx	8301-31G	1.310,00	1,900.00
	P4 2.40	256/2	40	Intel Extreme Graphics	CD-ROM	10/100		0/0	2/0	Win XP	PCG41xx	8301-41G	1.610,00	2,330.00
	M42 - Small Desktop 4x3													
	P4 1.80	256/2	40	Intel Extreme Graphics	CD-ROM	10/100		4/4	3/0	Win XP	PCH52xx	8303-52G	1.200,00	1,730.00
WH	P4 2.40	256/2	40	Intel Extreme Graphics	DVD-ROM	Gbit.		4/4	3/0	Win XP	PCH41xx	8303-41G	1.710,00	2,480.00
WH	P4 2.40	256/2	40	Intel Extreme Graphics	CD-ROM	10/100		4/4	3/0	Win XP	PCH42xx	8303-42G	1.640,00	2,380.00
WH	P4 2.53	256/2	40	Intel Extreme Graphics	CD-ROM	10/100		4/4	3/0	Win XP	PCH61xx	8303-61G	1.660,00	2,360.00
WH	P4 2.66	256/2	40	Intel Extreme Graphics	CD-ROM	10/100		4/4	3/0	Win XP	PCH81xx	8303-81G	1.990,00	2,840.00
WH	P4 2.66	256/2	40	Intel Extreme Graphics	DVD-ROM	Gbit.		4/4	3/0	Win XP	PCH82xx	8303-82G	2.050,00	2,930.00
	P4 2.80	256/2	40	Intel Extreme Graphics	CD-ROM	10/100		4/4	3/0	Win XP	PCHD1xx	8303-D1G	1.940,00	2,820.00
	P4 2.80	256/2	40	Intel Extreme Graphics	DVD-ROM	Gbit.		4/4	3/0	Win XP	PCHD4xx	8303-D4G	2.030,00	2,940.00
	M42 - Tower 4x5													
	P4 1.80	256/2	40	Intel Extreme Graphics	CD-ROM	10/100		4/4	5/2	Win XP	PCK51xx	8307-51G	1.200,00	1,740.00
	P4 2.40	256/2	40	Intel Extreme Graphics	CD-ROM	10/100		4/4	5/2	Win XP	PCK41xx	8307-41G	1.640,00	2,380.00
TS	P4 2.40	256/2	40	Intel Extreme Graphics	CD-ROM	10/100		4/4	5/2	Win XP	PCK73XX	8307-73G	800,00	1,200.00
TS	P4 2.40	256/2	40	Intel Extreme Graphics	CD-ROM	10/100		4/4	5/2	W2000	PCK75xx	8307-75G	800,00	1,200.00
	P4 2.53	256/2	40	Intel Extreme Graphics	CD-ROM	10/100		4/4	5/2	Win XP	PCK61xx	8307-61G	1.540,00	2,220.00
TS	P4 2.53	256/2	40	Intel Extreme Graphics	DVD-ROM	10/100	✓	4/4	5/2	Win XP	PCK7Axx	8307-7AG	890,00	1,330.00
	P4 2.66	256/2	40	Intel Extreme Graphics	CD-ROM	10/100		4/4	5/2	Win XP	PCK81xx	8307-81G	1.630,00	2,360.00
	P4 2.66	256/2	40	Intel Extreme Graphics	DVD-ROM	Gbit.	✓	4/4	5/2	Win XP	PCK85xx	8307-85G	1.720,00	2,480.00
	P4 2.80	256/2	40	Intel Extreme Graphics	CD-ROM	10/100		4/4	5/2	Win XP	PCKD1xx	8307-D1G	1.720,00	2,500.00
	P4 2.80	256/2	40	Intel Extreme Graphics	DVD-ROM	Gbit.	✓	4/4	5/2	Win XP	PCKD4xx	8307-D4G	2.030,00	2,940.00
	P4 2667	256/2048	40	Intel Extreme Graphics	CD-ROM	10/100		4/4	5/2	Win XP	PCK81xx	8307-81G	1.630,00	2,360.00
	P4 3.06	256/2	40	Intel Extreme Graphics	CD-ROM	10/100		4/4	5/2	Win XP	PCKE1xx	8307-E1G	2.230,00	3,250.00
	P4 3.06	256/2	40	Intel Extreme Graphics	DVD-ROM	Gbit.	✓	4/4	5/2	Win XP	PCKE2xx	8307-E2G	2.300,00	3,350.00

Selected NetVista Accessories & Upgrades			
IBM Multi-Burner	22P6970	346,00	528.00
High Rate Wireless LAN PCI Adapter (Low Profile Enabled) + Software	22P6901	190,00	279.00
G78 17in Flat CRT (16.0in/406mm VIS) TCO-03 Two-Tone Black Monitor	T27KAxx	256,00	377.00
512MB PC2100 CL2.5 Non-Parity Unbuffered DDR SDRAM DIMM Memory for NetVista	33L3306	121,00	179.00
Optical 3-Button ScrollPoint Pro Mouse (800dpi) PS/2 & USB	31P8700	35,00	52.00
Portable 40GB USB 2.0 Hard Drive with Rapid Restore	09N4255	311,00	471.00

TS = TopSeller WH = Workhorse

For additional NetVista compatible options refer to NetVista Options table at the end of the NetVista section.

Leading edge technology at an affordable price

IBM NetVista A Series

Highlights

- ***Enhanced multimedia features including upgradable graphics to view and edit digital images, create presentations and more (select models)***
- ***Range of optical drives including optional DVD-RAM/DVD-R and CD-RW to meet your needs***
- ***IBM Rapid Restore PC (via download) for creating a complete image backup in a protected partition on the hard drive***
- ***NEW! TCPA-compliant IBM Embedded Security Subsystem 2.0 to help secure communications (select models; requires third party digital certificate; not included)***
- ***Range of optional monitors including power-saving flat panel monitors***
- ***Customise your NetVista A Series desktop with accessories and options from IBM***

Specifications	
Memory	A30/A30p - 266 MHz DDR (Double-Data rate) SDRAM (PC2100)
Network Communications	Intel 10/100 Ethernet (selected models)
Video Graphics	A30: Integrated Intel Integrated Extreme Graphics (64MB or 128MB of Video memory, allocated from system memory) A30p: Intel extreme graphics, 4x AGP slot (selected models) Selected A Series models feature high performance graphics adapter cards, including the NVIDIA GeForce4 TI 4200 128 MB (VGA, TV & DVI-D support)
Audio	Integrated Intel Soundmax with SPX (on planar). Selected 'individual' models also include External speakers
Keyboard/Mouse	Selected 'individual' models feature an IBM Rapid Access IIIe USB keyboard and IBM ScrollPoint III mouse IBM Standard Keyboard and IBM Mouse (2 button) (select models)
Individual Models	NetVista A Series 'Individual Models' feature multi-media enhancements for more demanding user environments. Features on selected models include: NVIDIA Graphics card, External Speakers, CD-RW/DVD-ROM Combo Drive, Rapid Access Keyboard, Scrollpoint Mouse, MS Works 2002 Suite (On new models)
Small Desktop (4x3) and Desktop (4x4)	3 PCI slots Low Profile (half size maximum) 1 AGP slot Low Profile (half size maximum) 3 bays: (1) 3.5" accessible, (1) 3.5" non-accessible and (1) 5.25" HH accessible Desktop (4x4) features an additional 5.25" HH accessible) 7 ports: (2) serial, (1) parallel and (4) USB (two in the front and two in the rear) A30/A30p: (6) USB ports (two front, four rear)
Tower (4x5)	3 PCI slots (three quarter maximum) 1 AGP slot (three quarter maximum) 5 bays: (2) 3.5" accessible, (1) 3.5" non-accessible and (2) 5.25" HH accessible A30/A30p models: (6) USB ports (two front, four rear)
Software (Varies by country)	Preloaded: Access IBM, Access Support, Adobe Acrobat Reader, ConfigSafe, IBM Update Connector, Microsoft Office 2000 Small Business (select models), Microsoft Office XP (select models), Microsoft Works Suite (select 'individual' models), Netscape Communicator, PC Doctor, IBM Rapid Restore PC Downloadable: IBM Client Security Software 2.0 (IBM Embedded Security Subsystem models only), IBM Data Transfer, Norton AntiVirus, Software Migration Assistant, Universal Manageability Services, Update Connector, LAN Client Control Manager Licence: Lotus Notes (CD not included), Lotus SmartSuite on selected models (CD not included)
Power Supply	Small Desktop (4x3): 160 Watts. For Desktop (4x4): and Tower (4x5): 185 Watts
Warranty (varies by country)	3 years limited warranty -- Customer Carry in (3 years on site warranty available on selected models)

NetVista A Series Model Comparison

	Processor (MHz)	Memory: std./max. (MB/GB)	Hard Disk Drive Size (GB)	Graphic chip set	Optical Drive 1	Optical Drive 2 (CD-RW)	Communications	Slots: total/available.	Bays: total/available.	Operating System	Microsoft Office XP SBE Part number	Model Type	ESP (Excl. VAT) Euro	ESP (CHF) Incl VAT
	A30 - Desktop 4x4													
TS	Cel 1.70	128/2	40	Intel Extreme Graphics	CD-ROM		Eth.	4/4	4/1	W2000	PBT55XX	8313-55G	580,00	880.00
	A30p - Desktop 4x4													
TS	P4 2.00	128/2	40	Intel Extreme Graphics	CD-ROM		Eth.	4/4	4/1	DOS 2000	PBT7PXX	8309-7PG	☎	☎
TS	P4 2.40	256/2	40	Intel Extreme Graphics	CD-ROM		Eth.	4/4	4/1	Win XP	PBT72XX	8309-72G	750,00	1,120.00
TS	P4 2.40	256/2	40	Intel Extreme Graphics	CD-ROM		Eth.	4/4	4/1	W2000	PBT78xx	8309-78G	750,00	1,120.00
TS	P4 2.40	128/2	40	Intel Extreme Graphics	CD-ROM		Eth.	4/4	4/1	Win XP	PBT7Qxx	8309-7QG	710,00	1,050.00
TS	P4 2.53	256/2	40	Intel Extreme Graphics	CD-ROM		Eth.	4/4	4/1	Win XP	PBT7Dxx	8309-7DG	800,00	1,190.00
	A30p - Tower 4x5													
TS	P4 1.80	256/2	40	Intel Extreme Graphics	CD-ROM		Eth.	4/4	5/2	Win XP	✓ PCX1DXX	8310-1DG	☎	1,790.00
	P4 1.80	256/2	40	Intel Extreme Graphics	CD-ROM		Eth.	4/4	5/2	Win XP	PFB61xx	8310-61G	1.170,00	1,700.00
	P4 2.00	256/2	40	Intel Extreme Graphics	CD-ROM		Eth.	4/4	5/2	Win XP	PFB25xx	8310-25G	1.240,00	1,790.00
TS	P4 2.40	256/2	40	Intel Extreme Graphics	CD-ROM		Eth.	4/4	5/2	Win XP	PCX73xx	8310-73G	940,00	1,400.00
TS	P4 2.40	256/2	40	Intel Extreme Graphics	CD-ROM		Eth.	4/4	5/2	Win XP	PCX74XX	8310-74G	☎	1,540.00
	P4 2.40	256/2	40	Intel Extreme Graphics	CD-ROM		Eth.	4/4	5/2	Win XP	PFB49xx	8310-49G	1.520,00	2,170.00
	P4 2.80	256/2	40	Intel Extreme Graphics	CD-ROM		Eth.	4/4	5/2	Win XP	PFBD1xx	8310-D1G	1.630,00	2,380.00
TS	P4 2533	256/2	40	Intel Extreme Graphics	CD-ROM		Eth.	4/4	5/2	Win XP	PBT77XX	8310-77G	☎	☎
	A30p - Tower 4x5 Individual model with Multi-Media Features													
	Cel 1.70	256/2	40	Intel Extreme Graphics	DVD-ROM		Eth.	4/3	5/2	WXP Home	KF51Gxx	8310-51G	1.140,00	1,620.00
	P4 2.00	256/2	40	NVIDIA GeForce4 MX 420	DVD-ROM	✓	Eth.	4/2	5/1	WXP Home	KF24Gxx	8310-24G	1.520,00	2,200.00
	P4 2.40	256/2	80	NVIDIA GeForce4 MX 420	DVD-ROM	✓	Eth.	4/2	5/1	WXP Home	KF44Gxx	8310-44G	1.930,00	2,800.00
	P4 2.80	512/2	120	NVIDIA GeForce4 Ti4200	DVD-ROM/CD-RW		Eth.	4/2	5/2	WXP Home	KFD2Gxx	8310-D2G	2.420,00	3,540.00

Selected NetVista Accessories & Upgrades			
T710 17.0in Analogue TFT LCD (17.0in/432mm VIS) TCO-99 Stealth Black Colour Monitor	T71ABxx	827,00	1,220.00
IBM Multi-Burner	22P6970	346,00	528.00
64MB NVIDIA Quadro4 200NVS VGA/DVI-I Dual Head Graphics Adapter	33L3543	182,00	267.00
G78 17in Flat CRT (16.0in/406mm VIS) TCO-03 Two-Tone Black Monitor	T27KAxx	256,00	377.00
512MB PC2100 CL2.5 Non-Parity Unbuffered DDR SDRAM DIMM Memory for NetVista	33L3306	121,00	179.00
Portable 40GB USB 2.0 Hard Drive with Rapid Restore	09N4255	311,00	471.00

TS = TopSeller WH = Workhorse

For additional NetVista compatible options refer to NetVista Options table at the end of the NetVista section.

The smallest NetVista desktop without compromise

IBM NetVista S Series

Highlights

- ***Space-saving Small Form Factor design with four USB ports on the front for easy expandability***
- ***Full performance in a small package with full-height PCI slots and standard-size optical drives***
- ***Streamline international deployments with global models available in 67 countries***
- ***Speed deployment and simplify remote management with IBM manageability tools***
- ***Backed by a three-year limited warranty on parts and labour (onsite service)***
- ***Range of optional monitors including power-saving flat panels***

Specifications

Processor/L2 cache	Intel Pentium 4 at 1.8, 2.0GHz with 400MHz Front Side Bus/512KB Intel Pentium 4 at 2.4, 2.53GHz, 2.8GHz with 533MHz Front Side Bus/512KB
Memory/max	128 or 256MB/2.0GB PC2100 DDR SDRAM; 2 DIMM slots (1 available)
Chassis Design (slots x bays)	Small Form Factor (2 x 3)
Mechanical size (WxDxH)	309x345x84mm
Hard disk drive/speed	40GB EIDE Ultra ATA-100/7200rpm
Video graphics	Intel Extreme Graphics with DVMT
Optical drive	48Xmax-20Xmin CD-ROM
Audio	Intel SoundMAX with SPX, line in, line out, microphone port
Diskette drive	3.5" 1.44MB (select models)
Keyboard/mouse	IBM Preferred Pro Full Size and IBM Standard Keyboard and IBM Standard 2 button mouse
Slots, bays and ports	2 PCI slots Full Height (half size maximum); 3 bays: (1) 3.5" accessible, (1) 3.5" non-accessible and (1) 5.25" HH accessible 8 ports: (1) serial, (1) parallel and (6) USB 2.0 (4 Front Accessible, 2 Rear Accessible)
Communications	Integrated Intel PRO/100 Ethernet w/Wake on LAN or integrated Intel PRO/1000 Gigabit Ethernet w/Wake on LAN
Preloaded operating system	Microsoft Windows 2000 Professional, Microsoft Windows XP Professional or Microsoft Windows XP Home Edition
Software (Varies by country)	Preloaded: IBM Rapid Restore PC, Access IBM, Adobe Acrobat Reader, DVD Express (DVD models), Veritas CD-RW software (CD-RW models), ConfigSafe (W2000 only), Microsoft Office 2000 Small Business (select models), Microsoft Office XP Small Business (select models), Microsoft Works Suite (select models), Update Connector, Norton Anti-Virus Licence: Lotus Notes Standalone Client, Lotus SmartSuite
Limited warranty (varies by country)	3 years onsite parts and labour

IBM NetVista S Series Model Comparison

	Processor (MHz)	Memory: std./max. (MB/GB)	Hard Disk Drive Size (GB)	Graphic chip set	Optical Drive	Ethernet (10/100 or Gigabit)	Slots: total/available.	Bays: total/available.	Operating System	Part number	Model Type	ESP (Excl. VAT) Euro	ESP (CHF) Incl VAT
	S42 - 2x3												
TS	Cel 1.80	128/2	40	Intel Extreme Graphics	CD-ROM	10/100	2/2	3/0	Win XP	PCL71XX	8317-71G	580,00	☎
	P4 1.80	256/2	40	Intel Extreme Graphics	CD-ROM	10/100	2/2	3/0	Win XP	PCM11xx	8319-11G	1.180,00	1,710.00
	P4 2.40	256/2	40	Intel Extreme Graphics	CD-ROM	10/100	2/2	3/0	Win XP	PCM41xx	8319-41G	1.470,00	2,140.00
	P4 2.40	256/2	40	Intel Extreme Graphics	CD-ROM	Gbit.	2/2	3/0	Win XP	PCM44xx	8319-44G	1.500,00	2,180.00
	P4 2.40	256/2	40	Intel Extreme Graphics	CD-ROM	10/100	2/2	3/0	W2000	PCM45xx	8319-45G	1.470,00	2,140.00
TS	P4 2.40	256/2	40	Intel Extreme Graphics	CD-ROM	10/100	2/2	3/0	Win XP	PCM74XX	8319-74G	760,00	1,200.00
	P4 2.53	256/2	40	Intel Extreme Graphics	CD-ROM	10/100	2/2	3/0	Win XP	PCM51xx	8319-51G	1.570,00	2,280.00
TS	P4 2.66	256/2	40	Intel Extreme Graphics	CD-ROM	10/100	2/2	3/0	Win XP	PCM79xx	8319-79G	820,00	1,290.00
	P4 2.80	256/2	40	Intel Extreme Graphics	CD-ROM	10/100	2/2	3/0	Win XP	PCM81xx	8319-81G	1.730,00	2,520.00

Selected NetVista Accessories & Upgrades			
T710 17.0in Analogue TFT LCD (17.0in/432mm VIS) TCO-99 Stealth Black Colour Monitor	T71ABxx	827,00	1,220.00
IBM Multi-Burner	22P6970	346,00	528.00
256MB USB 2.0 Memory Key	22P9025	190,00	290.00
1GB PC2100 CL2.5 NP DDR SDRAM UDIMM Memory Upgrade for NetVista	33L3308	956,00	1,420.00
Portable 40GB USB 2.0 Hard Drive with Rapid Restore	09N4255	311,00	471.00

TS = TopSeller WH = Workhorse
For additional NetVista compatible options refer to NetVista Options table at the end of the NetVista section.

IBM NetVista Accessories & Upgrades

Description	A30/p 8309/10/11/13/14/15	M42 8301	M42 8303/8304	M42 8305/8306/8307/8308	S42 8317/8318/8319	Part Number	ESP (Excl. VAT) Euro	ESP (CHF) Incl VAT
Memory								
DIMM/SDRAM								
128MB PC2100 CL2.5 Non-Parity Unbuffered DDR SDRAM DIMM Memory for NetVista	✓		✓	✓	✓	33L3302	40,00	60.00
256MB PC2100 CL2.5 Non-Parity Unbuffered DDR SDRAM DIMM Memory for NetVista	✓		✓	✓	✓	33L3304	60,00	88.00
512MB PC2100 CL2.5 Non-Parity Unbuffered DDR SDRAM DIMM Memory for NetVista	✓		✓	✓	✓	33L3306	121,00	179.00
1GB PC2100 CL2.5 NP DDR SDRAM UDIMM Memory Upgrade for NetVista	✓		✓	✓	✓	33L3308	956,00	1,420.00
Storage								
CD-ROM Drives								
48X-20X Internal IDE CD-ROM Drive (Black)	✓		✓	✓	✓	10K3782	54,00	82.00
IBM 16X Max RAM-Read DVD-ROM Black Drive	✓		✓	✓	✓	22P6950	119,00	174.00
IBM 16X Max RAM-Read DVD-ROM White Drive	✓		✓	✓		22P6951	119,00	174.00
IBM Multi-Burner	✓		✓	✓		22P6970	346,00	528.00
IBM 32X/10X/40X/16X Max CD-RW/DVD-ROM Combination Drive	✓		✓	✓		22P6973	150,00	228.00
48x24x48x Max CD-RW Drive (Black)	✓		✓	✓		22P6997	146,00	214.00
48x/24x/48x/16x Max CD-RW/DVD-ROM Combination Drive	✓		✓	✓		22P7031	150,00	228.00
USB 2.0 Portable CD-RW Drive - Europe	✓	✓	✓	✓		22P9073	465,00	☎
USB 2.0 Portable CD-RW Drive - Denmark	✓	✓	✓	✓		22P9074	465,00	689.00
USB 2.0 Portable CD-RW Drive - South Africa/India	✓	✓	✓	✓		22P9075	☎	☎
USB 2.0 Portable CD-RW Drive - UK	✓	✓	✓	✓		22P9076	☎	☎
USB 2.0 Portable CD-RW Drive - Israel	✓	✓	✓	✓		22P9079	☎	☎
48X-20X IDE Internal CD-ROM Drive	✓		✓	✓		33L5001	63,00	91.00
Diskette Drives								
IBM 250MB Zip Internal IDE Drive	✓		✓	✓		00N8078	125,00	183.00
USB Portable Diskette Drive	✓	✓	✓	✓	✓	05K9276	83,15	124.00
Hard Disk Drives/Non Hot Swap								
1GB Microdrive with PC Card	1	1	1	1		07N5574	338,00	492.00
Portable 20GB USB 2.0 Hard Disk Drive with Rapid Restore	2	2	2	2	2	09N4211	229,00	474.00
80GB ATA/100 EIDE SL Hard Disk Drive (7200rpm)	✓		✓	✓	✓	09N4226	196,00	289.00
120GB ATA/100 EIDE SL Hard Disk Drive (7200rpm)	✓		✓	✓	✓	09N4231	231,00	339.00
80GB ATA/100 EIDE Hard Disk Drive (7200rpm)	✓		✓	✓		09N4248	191,00	289.00
120GB ATA/100 EIDE Hard Disk Drive (7200rpm)	✓		✓	✓		09N4249	226,00	341.00
Portable 40GB USB 2.0 Hard Drive with Rapid Restore	2	2	2	2	2	09N4255	311,00	471.00
40GB ATA/100 EIDE SL Hard Disk Drive (5400rpm)	✓		✓	✓	✓	22P7156	☎	246.00
40GB ATA/100 EIDE SL Hard Disk Drive (7200rpm)	✓		✓	✓	✓	22P7157	176,00	258.00
Flat Panel Monitors								
Flat Panel Essential								
T541 15in Analogue TFT LCD (15.0in/380mm VIS) TCO-99 Stealth Black Colour Monitor	✓	✓	✓	✓	✓	T12ABxx	529,00	779.00
IBM ThinkVision L170 17.0in Analogue TFT LCD (17.0in/432mm VIS) TCO-99 Stealth Black Colour Monitor	✓		✓	✓	✓	T34ABXX	606,00	893.00
IBM ThinkVision L170 17.0in Analogue TFT LCD (17.0in/432mm VIS) TCO-99 Stealth Black Colour Monitor	✓		✓	✓	✓	T34ANXX	523,00	789.00
T541 15.0in Analogue TFT LCD (15.0in/380mm VIS) TCO-99 Stealth Black Colour Monitor	✓	✓	✓	✓	✓	T41ABxx	341,00	517.00
T710 17.0in Analogue TFT LCD (17.0in/432mm VIS) TCO-99 Stealth Black Colour Monitor	✓	✓	✓	✓	✓	T71ABxx	827,00	1,220.00

Description	A30/p 8309/10/11/13/14/15 M42 8301 M42 8303/8304 M42 8305/8306/8307/8308 S42 8317/8318/8319	Part Number	ESP (Excl. VAT) Euro	ESP (CHF) Incl VAT
Flat Panel Performance				
T541H 15.0in Hybrid TFT LCD (15.0in/380mm VIS) TCO-99 Stealth Black Colour Monitor	✓	T12HBXX	560,00	825.00
IBM ThinkVision L170p 17.0in Hybrid TFT LCD (17.0in/432mm VIS) TCO-99 Stealth Black Colour Monitor	3 3 3 3	T34HBXX	663,00	978.00
IBM ThinkVision L200p 20.1in Hybrid TFT LCD (20.1in/511mm VIS) TCO-99 Stealth Black Colour Monitor	3 3 3 3 3	T36HBXX	1.890,00	2,760.00
T860 18.1in Hybrid TFT LCD (18.1in/460mm VIS) TCO-99 Stealth Black Colour Monitor	✓ ✓ ✓ ✓ ✓	T4HB0xx	1.250,00	1,840.00
T560 15.0" Hybrid TFT LCD (15.0"/380mm VIS) TCO-99 Stealth Black Colour Monitor	✓ ✓ ✓ ✓ ✓	T56HGxx	694,00	1,010.00
T750 17.0in Hybrid TFT LCD (17.0in/433mm VIS) TCO-99 Stealth Black Colour Monitor	✓ ✓ ✓ ✓ ✓	T75HGXX	938,00	1,360.00
CRT Monitors				
CRT Essential				
E74 17in FST (15.9in/404mm VIS) MPR-II Stealth Black Colour Monitor	3 3 3 3 3	T0747XX	185,00	279.00
E74 17in FST (15.9in/404mm VIS) MPR-II Stealth Black Colour Monitor	3 3 3 3 3	T07B7XX	152,00	231.00
G78 17" FLAT (16.0" VIS) 85KHz 0.25mm 1280x1024/75Hz TCO-99 NH Stealth Black Colour Monitor	✓ ✓ ✓ ✓ ✓	T274Axx	256,00	377.00
G78 17in Flat CRT (16.0in/406mm VIS) TCO-03 Two-Tone Black Monitor	✓ ✓ ✓ ✓ ✓	T27KAxx	256,00	377.00
G78 17in Flat CRT (16.0in/406mm VIS) TCO-03 Two-Tone Black Monitor	✓ ✓ ✓ ✓ ✓	T27KBXX	215,00	324.00
IBM ThinkVision C170 17in Flat CRT (16.0in/406mm VIS) TCO-99 Stealth Black Colour Monitor	3 3 3 3 3	T3766XX	228,00	346.00
IBM ThinkVision C170 17in Flat CRT (16.0in/406mm VIS) TCO-99 Stealth Black Colour Monitor	3 3 3 3 3	T376BXX	☎	☎
IBM ThinkVision C170 17in Flat CRT (16.0in/406mm VIS) TCO-03 Two-Tone Black Colour Monitor	3 3 3 3 3	T37K6XX	228,00	346.00
IBM ThinkVision C190 19in Flat CRT (18.0in/457mm VIS) TCO-99 Stealth Black Colour Monitor	3 3 3 3 3	T3960XX	306,00	461.00
IBM ThinkVision C190 19in Flat CRT (18.0in/457mm VIS) TCO-03 Two-Tone Black Colour Monitor	3 3 3 3 3	T39K0XX	306,00	461.00
G97 19in FST (18.0in/457mm VIS) TCO-99 Stealth Black Colour Monitor	✓ ✓ ✓ ✓ ✓	T44ANxx	235,00	355.00
CRT Performance				
P97 19in FD Trinitron CRT (18.0in/456mm VIS) TCO-95 Stealth Black Colour Monitor	✓ ✓ ✓ ✓ ✓	T1U3Nxx	494,00	753.00
P77 17" FD Trinitron CRT (16.0"/407mm VIS) TCO-95 Stealth Black Colour Monitor	✓ ✓ ✓ ✓ ✓	T39U3XX	373,00	549.00
P275 21" FD Trinitron CRT (19.8"/503mm VIS) TCO-99 Stealth Black Colour Monitor	✓ ✓ ✓ ✓ ✓	T52U3xx	991,00	1,460.00
Multimedia				
Other				
FlatPanel Speakers - EU Power Cord	✓	10K0160	96,19	☎
FlatPanel Speakers - Danish Power Cord	✓	10K0161	☎	☎
FlatPanel Speakers - South African Power Cord	✓	10K0162	☎	☎
FlatPanel Speakers - UK Power Cord	✓	10K0163	☎	☎
FlatPanel Speakers - Swiss Power Cord	✓	10K0164	☎	147.00
FlatPanel Speakers - Italian Power Cord	✓	10K0165	☎	☎
FlatPanel Speakers - Israeli Power Cord	✓	10K0166	☎	☎
T860 Speaker/USB Hub - Stealth Black	5 5 5 5 5	19K1901	131,00	191.00
15in Flat Panel Monitor Speaker Bezel	7 7 7 7 7	22P8986	93,00	135.00
64MB NVIDIA Quadro4 200NVS VGA/DVI-I Dual Head Graphics Adapter	8 ✓ ✓	33L3543	182,00	267.00
Communications				
Modems				
V.90 Data/ Fax Win Modem	✓	22P6550	50,00	77.00
Networking				
Adapters				

Description	A30/p 8309/10/11/13/14/15	M42 8301	M42 8303/8304	M42 8305/8306/8307/8308 S42 8317/8318/8319		Part Number	ESP (Excl. VAT) Euro	ESP (CHF) Incl VAT
PCI Ultra160 SCSI Adapter	✓		✓	✓		19K4646	184,00	271.00
Adapters/Ethernet								
PRO/1000T Desktop Adapter by Intel + Software	9			9	9	22P6501	124,00	183.00
PRO/1000T Low Profile Desktop Adapter by Intel + Software			9			22P6601	124,00	183.00
Adapters/Token Ring								
16/4 Token-Ring Low Profile PCI Management Adapter			✓			07P2701	188,04	293.00
16/4 Token-Ring PCI Management Adapter	✓			✓	✓	34L5001	166,30	266.00
High-Speed 100/16/4 Token-Ring PCI Management Adapter	✓			✓	✓	34L5201	213,04	332.00
Adapters/Wireless								
High Rate Wireless LAN PCI Adapter (Low Profile Enabled) + Software	10		10	10	10	22P6901	190,00	279.00
Accessories								
Keyboards								
Stealth Black Space Saver II Keyboard	✓	✓	✓	✓		28L36yy	☎	☎
Stealth Black Preferred USB Keyboard with 2-Port USB Hub	✓	✓	✓	✓		10K385x	☎	☎
Stealth Black Wireless Keyboard and Mouse Kit					11	22P51xx	52,00	77.00
Stealth Black TrackPoint USB Space Saver Keyboard	✓	✓	✓	✓		22P51yy	☎	☎
104-Key Stealth Black Rapid Access III USB Keyboard with Hub - Arabic	✓	✓	✓	✓		22P5205	☎	☎
Stealth Black Rapid Access III USB Keyboard with Hub	✓	✓	✓	✓		22P5xxx	☎	☎
Stealth Black Preferred Pro Full-size PS/2 Keyboard	✓	✓	✓	✓		31P74xx	31,00	47.00
Pearl White Preferred Pro Full-size PS/2 Keyboard	✓	✓	✓	✓		31P74yy	☎	☎
USB Keyboard with UltraNav	2	2	2	2		31P89XX	94,00	137.00
USB Travel Keyboard with UltraNav	2	2	2	2		31P9XXX	☎	☎
Pointing Devices								
Sleek 2-Button Pearl White Mouse	✓	✓	✓	✓		28L3674	14,00	20.00
IBM Sleek 2-Button Mouse - Stealth Black (PS/2)	✓	✓	✓	✓	✓	28L3675	14,00	20.00
USB Optical Wheel Mouse	✓	✓	✓	✓	✓	06P4069	23,00	34.00
Optical 3-Button ScrollPoint Mouse (800dpi) PS/2 & USB	✓	✓	✓	✓	✓	31P7405	31,00	47.00
Optical 3-Button Travel Wheel Mouse (800dpi) PS/2 & USB	✓	✓	✓	✓		31P7410	41,00	60.00
Optical 3-Button ScrollPoint Pro Mouse (800dpi) PS/2 & USB	✓	✓	✓	✓	✓	31P8700	35,00	52.00
Memory Keys								
32MB USB Memory Key	✓	✓	✓	✓	✓	22P5296	38,00	59.00
64MB USB 2.0 Memory Key	✓	✓	✓	✓	✓	22P9024	105,00	153.00
256MB USB 2.0 Memory Key	✓	✓	✓	✓	✓	22P9025	190,00	290.00
Other								
IBM Radial Arm	12	12	12	12	12	19K4464	203,25	322.00
UltraPort Compact Flash Reader	✓	✓	✓	✓		19K4510	52,00	77.00
Projectors								
IBM iLM300 MicroPortable Data/Video Projector - UK	✓	✓	✓	✓	✓	31P6905	☎	☎
IBM iLM300 MicroPortable Data/Video Projector - Europe (except CEE countries)	✓	✓	✓	✓	✓	31P6913	2.590,00	☎
iLV200 ValueBased and iLC200 Conference Room Projector Lamp	14	14	14	14	14	31P6936	465,00	689.00
iLV300 Value Data/Video Projector - UK	✓	✓	✓	✓	✓	31P9861	☎	☎
iLV300 Value Data/Video Projector - EU	✓	✓	✓	✓	✓	31P9864	1.580,00	☎
iLV300 Value Data/Video Projector - Italian	✓	✓	✓	✓	✓	31P9865	☎	☎
iLV300 Value Data/Video Projector - Danish	✓	✓	✓	✓	✓	31P9866	☎	☎
iLV300 Value Data/Video Projector - Swiss	✓	✓	✓	✓	✓	31P9869	☎	2,360.00
Projector Lamp for iLV300 Value Data/Video Projector	15	15	15	15	15	31P9870	518,00	781.00
iLC300 Conference Room Data/Video Projector - UK	✓	✓	✓	✓	✓	31P9901	☎	☎
iLC300 Conference Room Data/Video Projector - EU	✓	✓	✓	✓	✓	31P9904	3.780,00	☎
iLC300 Conference Room Data/Video Projector - Italian	✓	✓	✓	✓	✓	31P9905	☎	☎
iLC300 Conference Room Data/Video Projector - Danish	✓	✓	✓	✓	✓	31P9906	☎	☎
iLC300 Conference Room Data/Video Projector - Swiss	✓	✓	✓	✓	✓	31P9909	☎	5,680.00

Description	A30/p 8309/10/11/13/14/15 M42 8301 M42 8303/8304 M42 8305/8306/8307/8308 S42 8317/8318/8319	Part Number	ESP (Excl. VAT) Euro	ESP (CHF) Incl VAT
Projector Lamp for iLC300 Conference Room Data/Video Projector	16 16 16 16 16	31P9910	459,00	691.00
Projector Lamp - ValueBased & Conference Room Projectors	17	33L3436	450,52	682.00
Projector Lamp for MicroPortable Data/Video Projector	18 18 18 18 18	33L3456	399,98	611.00
IBM iLM300 MicroPortable Data/Video Projector - Denmark	✓ ✓ ✓ ✓ ✓	33L3532	☎	☎
IBM iLM300 MicroPortable Data/Video Projector - Switzerland	✓ ✓ ✓ ✓ ✓	33L3533	☎	3,890.00
IBM iLM300 MicroPortable Data/Video Projector - Italy	✓ ✓ ✓ ✓ ✓	33L3534	☎	☎
Projector Lamp - iLM300 MicroPortable Projector	19 19 19 19 19	33L3537	439,00	639.00

1. Requires reader 19K4510 or equivalent.

2. Supported on Windows 2000 and Windows XP only.

3. This monitor has been tested with IBM personal computers and is compatible with systems and graphics adapters which comply with the relevant parts of "VESA and industry standards and guidelines for computer display monitor timing" version 1.0 revision 0.8, adopted September 17, 1998.

4. This monitor has been tested with IBM personal computers and is compatible with systems and graphics adapters which comply with the relevant parts of "VESA and industry standards and guidelines for computer display monitor timing" version 1.0 revision 0.8

5. To be used on T860 Flat Panel monitors with serial numbers 66-Axxxx.

6. display modes and number of colors are a function of the attaching system unit. The full range of display modes

7. Can be used on the T541 and the T560 Flat Panel monitors

8. Not supported on the 8313, 8314, and 8315.

9. Many systems have standard Ethernet functions.

10. Requires a nearby WiFi compliant wireless LAN acces point like 09N9906 or a High Rate Wireless LAN Gateway like 22P6401.

11. The receiver portion of the kit requires a USB connection.

12. Can be used to mount a Flat Panel Monitor such as the T54, T55, T56, T74, T85, T86.

13. Can be used to mount a Flat Panel Monitor such as the T54

14. To be used in the Value Based Data/Video and the Conference Room Data/Video Projectors A02 models.

15. To be used in the iLV300 Value Data/Video Projector (M/T 0038A03)

16. To be used in the iLC300 Conference Room Data/Video Projector (M/T 0039A03)

17. To be used in both the ValueBased and the Conference Room Data/Video Projectors.

18. To be used in the MicroPortable Data/Video Projector.

19. To be used in the iLM300 MicroPortable Data/Video Projector 0037-A03.

IBM offers the most secure industry-standard PC

Is your information vulnerable to intrusion and theft? If an unauthorised user sits down at your PC or steals it, is your data protected?

Protect yourself from the price of unsecured PCs

The benefits of computer security are often discovered too late - when the cost of not having it becomes painfully clear. Computers stolen from desktops or employee vehicles, or even lost on trains or in taxis frequently contain valuable, confidential company information. Worse, they are usually set up to access the company network, Intranet and more.
A lost or stolen computer can put your company's data in the wrong hands. It can even expose your entire network to snooping and electronic theft which can result in huge financial losses.

90% of respondents to the 2002 Computer Crime Security Survey detected computer security breaches in the past 12 months, and 44% claimed more than $455 million in financial losses because of proprietary information theft, user identity theft and financial fraud.

IBM Embedded Security Subsystem

The IBM Embedded Security Subsystem, a ThinkVantage Technology, helps protect valuable data. It works with network security software and third-party options to help prevent unauthorised access to intellectual capital, contracts, personnel files or anything else stored on your network. It comes standard on select ThinkPad notebooks, IBM ThinkCentre and NetVista desktops and can help you avoid the worry, frustration and cost of unsecured systems.

The hardware and software solution is available only from IBM. It consists of an embedded security chip and downloadable software which together provide a higher level of security than common software-only security solutions.

File encryption and password management

The IBM Embedded Security Subsystem allows you to encrypt specific documents on a file-by-file basis on the hard drive, giving more protection in case of system theft or network intrusion. Or use "on the fly" encryption, where you can pre-select folders so that files placed in the folder are automatically encrypted.

In addition, the IBM Embedded Security Subsystem features a Password Manager to remember multiple passwords and store them securely, lowering the volume of forgotten password calls to your help desk and reducing support costs. Plus, the new Install Wizard makes setup simple even for novice users.

IBM ThinkCentre family

Highlights

Power and flexibility

Choose ThinkCentre desktops for the latest PC technology. Intel Pentium 4 processors featuring Intel Hyper-Threading deliver enhanced performance (on selected models) together with IBM Double Data Rate (DDR) memory, serial ATA hard drives (on selected models) and 8 USB ports for fast expansion. Optional video cards from ATI and NVIDIA on A Series 'Individual models' are ideal for work in multimedia-based environments.

Serviceable, manageable desktops

Multiple chassis designs give you a choice of ThinkCentre desktops for almost any environment. M Series offers the convenience of three designs - Tower, Desktop or Small Desktop, all of which have a single common software image for superior manageability. The S Series offers a small form factor for situations where office space is a key concern, but still has full sized desktop components and a completely tool-less interior. Tool-less PCI slots feature on all ThinkCentre models to minimise the resource needed for servicing the system.

IBM ThinkVantage tools for System deployment and recovery

IBM Rapid Restore Ultra (preloaded) reduces IT hassles by restoring the operating system, applications and files should a corruption occur. SDA, SMA and ImageUltra tools are also available to help the IT department efficiently control software deployment, migration and update activities.

Embedded security

The IBM Embedded Security Subsystem, (a ThinkVantage technology) provides a hardware- and software based solution on selected ThinkCentre desktops, providing a secure environment for authentication and Public Key Infrastructure (PKI) and Virtual Private Networking (VPN) communications.
(Requires download of security software from IBM and third-party digital certificate).

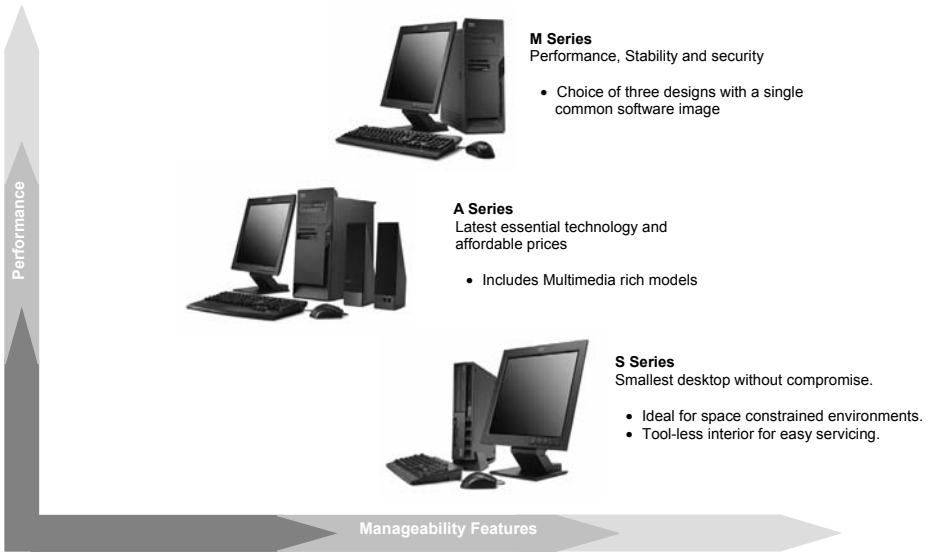
Latest communication technology

ThinkCentre offers a full choice of communications including an integrated Intel PRO/1000 MT Network Connection (on selected models) for Gigabit Ethernet and optional Wi-Fi certified Wireless LAN PCI adapters for hard-to-network environments.

Worldwide service and support

With worldwide support locations and a choice of optional service plans, you have the technical back-up you need.
On-system and Online support through Access IBM and Access Support.

Which ThinkCentre desktop is right for you?



M Series
Performance, Stability and security

- Choice of three designs with a single common software image

A Series
Latest essential technology and affordable prices

- Includes Multimedia rich models

S Series
Smallest desktop without compromise.

- Ideal for space constrained environments.
- Tool-less interior for easy servicing.

IBM ThinkCentre M Series

Highlights

- ***Stability and manageability for the enterprise***
- ***Stable platform available for up to 18 months, following general availability to help reduce testing and qualification costs (select models)***
- ***IBM ThinkVantage design delivers a durable steel chassis with tool-less interior design, a common system board and a common software image to simplify maintenance, deployment and support.***
- ***Security models featuring the IBM Embedded Security Subsystem 2.0, an IBM ThinkVantage Technology, tamper detection switch and system cover lock***
- ***Industry-leading manageability tools for rapid system deployment and remote systems management***
- ***Three-year parts and labour (onsite service) limited warranty (on select models, varies by country)***
- ***Range of new optional ThinkVision monitors to complement your ThinkCentre desktop, including power-saving flat panel monitors***

Specifications

Security Features (select models)	System Key Lock, Detection Tamper Switch, IBM Embedded Security Subsystem 2.0 delivering software and hardware based protection.
Software (Varies by country)	Preloaded: Access IBM, IBM Rapid Restore Ultra software - IBM ThinkVantage Technology enhanced productivity tools.. Adobe Acrobat Reader, IBM RecordNow and DLA (CD-RW models only), Intervideo WinDVD player (DVD models only), Norton AntiVirus (OEM Edition), PC-Doctor, Update Connector Downloadable: IBM Client Security Software (Embedded Security Subsystem 2.0 models only), IBM Director Agent, Software Delivery Assistant, System Migration Assistant License: Lotus Notes Standalone Client (license), Lotus SmartSuite (license)
Intel Hyper-Threading Processor technology	Models with 533 MHz FSB and 3.06 GHz Pentium 4 processor or all models with 800 MHz FSB can benefit from Intel Hyper-Threading. This new performance enhancing technology brings multi-tasking capabilities to your ThinkCentre desktop.
Memory	M50 - PC2700 DDR SDRAM , 4 DIMM sockets
Hard drive	Ultra ATA-100 (7200rpm rotational speed) + selected models feature Serial ATA-150 for improved interface speeds and cable routing.
Network Interface/Communication	Integrated Intel PRO/1000 (Gigabit Ethernet) or Integrated Intel PRO/100 Ethernet. (Both with remote Wake on LAN capability)
Video Graphics	M50 - Integrated Intel Extreme Graphics 2 (Dynamic Video Memory Technology) + 8x AGP slot for additional graphics adapter.
Keyboard / Mouse / Diskette	IBM Preferred Pro Keyboard, IBM Optical Wheel mouse (USB) or IBM 2-Button Wheel mouse (PS/2), 3.5" 1.44MB Diskette drive.
Slots, Bays and Ports	3 PCI slots (half size maximum)
Small Desktop (4x3)	3 bays: (1) 3.5" Accessible, (1) 3.5" Non-Accessible and (1) 5.25" HH Accessible (1) serial, (1) parallel, (8) USB 2.0 (two front and six rear) (2) PS/2 keyboard and mouse
Desktop (4x4)	3 PCI slots (three quarter size maximum) 4 bays: (2) 3.5" Accessible, (1) 3.5" Non-Accessible and (1) 5.25" HH Accessible (1) serial port, (1) parallel, (8) USB 2.0 (two front and six rear) (2) PS/2 keyboard and mouse
Tower (5x4)	3 PCI slots (three quarter size maximum) 5 bays: (1) 3.5" Accessible, (2) 3.5" Non-Accessible and (2) 5.25" HH Accessible (1) serial port, (1) parallel, (8) USB 2.0 (two front and six rear) (2) PS/2 keyboard and mouse
Power Supply	Small Desktop (4x3): 200 Watts, Desktop (4x4): 220 Watts, Tower (4x5) 220 Watts

ThinkCentre M Series Model Comparison

	Processor (MHz)	Hyper-Threading Technology	Front Side Bus Speed (MHz)	Memory: std./max. (MB/GB)	Hard Disk Drive Size (GB)	Serial ATA Hard Drive	Optical Drive	Ethernet (10/100 or Gigabit)	Embedded Security Subsystem	Slots: total/available.	Bays: total/available.	Operating System	Part number	Model Type	ESP (Excl. VAT) Euro	ESP (CHF) Incl VAT
ThinkCentre M50 - 4x3 Small Desktop																
	P4 2.53		533	256/4	40		CD-ROM	10/100		4/4	3/0	Win XP	PMAB1xx	8185-B1G	1.080,00	1,620.00
ThinkCentre M50 - Desktop 4x4																
	P4 2.53		533	256/4	40		CD-ROM	10/100		4/4	4/1	Win XP	PMBB5xx	8187-B5G	1.070,00	1,610.00
	P4 2.66		533	256/4	40		CD-ROM	10/100		4/4	4/1	Win XP	PMBD1xx	8187-D1G	1.090,00	1,650.00
	P4 2.66		533	512/4	40		CD-ROM	10/100		4/4	4/1	Win XP	PMBD2xx	8187-D2G	1.180,00	1,780.00
	P4 2.66		533	256/4	40		CD-ROM	10/100		4/4	4/1	DOS	PMBD5xx	8187-D5G	920,00	1,380.00
	P4 2.80		533	512/4	40		CD-ROM	10/100		4/4	4/1	Win XP	PMBE2xx	8187-E2G	1.270,00	1,920.00
	P4 2.80		533	256/4	40		CD-ROM	10/100		4/4	4/1	Win XP	PMBE5xx	8187-E5G	1.190,00	1,790.00
	P4 2.80	✓	800	512/4	40		DVD-ROM	Gbit.		✓ 4/4	4/1	Win XP	PMBE9xx	8187-E9G	1.400,00	2,120.00
	P4 2.80	✓	800	512/4	40		CD-ROM	10/100		✓ 4/4	4/1	Win XP	PMBEGxx	8187-EGG	1.380,00	2,070.00
WH	P4 3.00	✓	800	512/4	40		DVD-ROM	Gbit.		✓ 4/4	4/1	Win XP	PMBF4xx	8187-F4G	1.620,00	2,460.00
	P4 3.00	✓	800	512/4	40		DVD-ROM	10/100		✓ 4/4	4/1	Win XP	PMBF5xx	8187-F5G	1.610,00	2,430.00
	P4 3.06	✓	533	256/4	40		CD-ROM	10/100		4/4	4/1	Win XP	PMBF3xx	8187-F3G	1.410,00	2,130.00
	P4 3.06	✓	533	512/4	40		DVD-ROM	Gbit.		✓ 4/4	4/1	Win XP	PMBF8xx	8187-F8G	1.600,00	2,410.00
ThinkCentre M50 - Tower 4x5																
	P4 2.53		533	256/4	40		CD-ROM	10/100		4/4	5/2	Win XP	PMCB5xx	8189-B5G	1.070,00	1,620.00
	P4 2.66		533	512/4	40		CD-ROM	10/100		4/4	5/2	Win XP	PMCD3xx	8189-D3G	1.190,00	1,790.00
	P4 2.66		533	256/4	40		CD-ROM	10/100		4/4	5/2	DOS	PMCD6xx	8189-D6G	920,00	1,390.00
	P4 2.66		533	256/4	40		CD-ROM	10/100		4/4	5/2	Win XP	PMCD9xx	8189-D9G	1.090,00	1,660.00
	P4 2.80		533	256/4	40		CD-ROM	10/100		4/4	5/2	Win XP	PMCE1xx	8189-E1G	1.200,00	1,800.00
	P4 2.80		533	512/4	40		CD-ROM	10/100		4/4	5/2	Win XP	PMCE3xx	8189-E3G	1.280,00	1,930.00
	P4 2.80		533	256/4	40		DVD-ROM	Gbit.		✓ 4/4	5/2	Win XP	PMCE5xx	8189-E5G	1.250,00	1,870.00
	P4 2.80	✓	800	512/4	40		CD-ROM	10/100		✓ 4/4	5/2	Win XP	PMCE7xx	8189-E7G	1.380,00	2,080.00
	P4 2.80	✓	800	512/4	40		DVD-ROM	Gbit.		✓ 4/4	5/2	Win XP	PMCEAxx	8189-EAG	1.410,00	2,130.00
	P4 3.00	✓	800	512/4	80	✓	DVD-ROM	10/100		✓ 4/4	5/2	Win XP	PMCF4xx	8189-F4G	1.660,00	2,500.00
	P4 3.00	✓	800	512/4	40		DVD-ROM	Gbit.		✓ 4/4	5/2	Win XP	PMCF6xx	8189-F6G	1.630,00	2,470.00
	P4 3.06	✓	533	256/4	40		CD-ROM	10/100		4/4	5/2	Win XP	PMCF2xx	8189-F2G	1.420,00	2,140.00

Selected ThinkCentre Accessories & Upgrades			
IBM ThinkVision L170p 17.0in Hybrid TFT LCD (17.0in/432mm VIS) TCO-99 Stealth Black Mon	T34HBxx	663,00	978.00
IBM Multi-Burner	22P6970	346,00	528.00
160GB Serial ATA Hard Disk Drive	09N4254	255,00	385.00
IBM ThinkVision C170 17in Flat CRT (16.0in/406mm VIS) TCO-99 Stealth Black Colour Monitor	T3766xx	228,00	346.00

TS = TopSeller WH = Workhorse

For additional ThinkCentre compatible options refer to ThinkCentre Options table at the end of the ThinkCentre section.

IBM ThinkCentre A Series

Highlights

• Great technology and affordable prices

• Enhanced multimedia features including upgradable graphics (select models) and a range of optional optical drives to edit digital images, create presentations and more

• IBM Rapid Restore Ultra software, an IBM ThinkVantage Technology, offers one-button recovery and restore solution that lets you restore previously saved files or data, including applications and operating system

• IBM Systems Migration Assistant, an IBM ThinkVantage Technology, quickly and accurately migrates user system settings , e-mail, and data from your former PC to your new one

• Three-year parts and labour (customer carry-in) limited warranty (varies by model and country)

• Range of new optional ThinkVision monitors to complement your ThinkCentre desktop, including power-saving flat panel monitors

Specifications

Software (Varies by country)	Preloaded: Access IBM, IBM Rapid Restore Ultra software - IBM ThinkVantage Technology enhanced productivity tools.. Adobe Acrobat Reader, IBM RecordNow and DLA (CD-RW models only), Intervideo WinDVD player (DVD models only), Norton AntiVirus (OEM Edition), PC-Doctor, Update Connector Downloadable: IBM Director Agent, Software Delivery Assistant, System Migration Assistant License: Lotus Notes Standalone Client (license), Lotus SmartSuite (license)
Intel Hyper-Threading Processor technology	Models with 533 MHz FSB and 3.06 GHz Pentium 4 processor or all models with 800 MHz FSB can benefit from Intel Hyper-Threading. This new performance enhancing technology brings multi-tasking capabilities to your ThinkCentre desktop.
Memory	A50p - PC2700 DDR SDRAM , 4 DIMM sockets
Hard drive	Ultra ATA-100 (7200rpm rotational speed) + selected models feature Serial ATA-150 for improved interface speeds and cable routing.
Network Interface/Communication	Integrated Intel PRO/100 Ethernet. (With remote Wake on LAN capability), IBM 56Kbps PCI modem
Video Graphics	A50p - Integrated Intel Extreme Graphics 2 (Dynamic Video Memory Technology) + 8x AGP slot Selected models feature high performance graphics cards, including ATI RADEON 9200 64 MB .
Keyboard / Mouse / diskette	IBM Preferred Pro Keyboard, IBM Optical Wheel mouse (USB), 3.5" 1.44MB Diskette drive.
Individual models	Feature multimedia enhancements including Rapid Access IIIe USB keyboard, External Speakers, high performance graphics card and Microsoft Works 2002 Suite
Slots, Bays and Ports	3 PCI slots (three quarter maximum)
Tower (4x5)	5 bays: (1) 3.5" accessible, (2) 3.5" non-accessible and (2) 5.25" HH accessible (1) parallel port , (1) serial , (8) USB 2.0 (two front and six rear) , (2) PS/2 for keyboard and mouse, Front Access Audio.
Power Supply	Tower (4x5) 220 Watts

ThinkCentre A Series Model Comparison

Processor (MHz)	Hyper-Threading Technology	Front Side Bus Speed (MHz)	Memory: std./max. (MB/GB)	Graphic Card Type	Hard Disk Drive Size (GB)	Serial ATA Hard Drive	Optical Drive 1	Optical Drive 2 (CD-RW)	Communications	Slots: total/available.	Bays: total/available.	Operating System	Microsoft Office XP SBE / XP Pro	Part number	Model Type	ESP (Excl. VAT) Euro	ESP (CHF) Incl VAT
ThinkCentre A50p - 4x5 Individual model with Multi-Media Features																	
P4 2.66		533	256/4	ATI 9200	80	✓	DVD-ROM	✓	Eth	4/2	5/1	WXP Home		KPD1Gxx	8194-D1G	1.220,00	1,850.00
P4 2.80	✓	800	512/4	ATI 9600	160	✓	DVD-ROM	✓	Eth	4/1	5/1	WXP Home		KPE7Gxx	8194-E7G	1.600,00	2,420.00
P4 3.06	✓	533	512/4	ATI 9600	160	✓	DVD-ROM	✓	Eth	4/1	5/1	WXP Home		KPF9Gxx	8194-F9G	1.830,00	2,780.00

Selected ThinkCentre Accessories & Upgrades			
T541 15in Analogue TFT LCD (15.0in/380mm VIS) TCO-99 Stealth Black Colour Monitor	T12ABxx	529,00	779.00
48x/24x/48x/16x Max CD-RW/DVD-ROM Combination Drive	22P7031	150,00	228.00
Portable 40GB USB 2.0 Hard Drive with Rapid Restore	09N4255	311,00	471.00
USB Optical Wheel Mouse	06P4069	23,00	34.00

TS = TopSeller WH = Workhorse
For additional ThinkCentre compatible options refer to ThinkCentre Options table at the end of the ThinkCentre section.

IBM ThinkCentre S Series

Highlights

• The smallest ThinkCentre desktop without compromise.

• This Space-saving PC with durable steel chassis is an example of ThinkVantage design which offers unmatched serviceability and upgradability with completely toolless components.

• Stable platform available for up to 18 months, following general availability to help reduce testing and qualification costs (select models)

• Security models featuring the IBM Embedded Security Subsystem 2.0, an IBM ThinkVantage Technology, tamper detection switch and system cover lock.

• Industry-leading manageability tools for rapid system deployment and remote systems management.

• Three-year parts and labour (onsite service) limited warranty (on select models, varies by country)

• Range of new optional ThinkVision monitors to complement your ThinkCentre desktop, including power-saving flat panel monitors

Specifications	
Security Features (select models)	System Key Lock, Detection Tamper Switch, IBM Embedded Security Subsystem 2.0 delivering software and hardware based protection.
Software (Varies by country)	Preloaded: Access IBM, IBM Rapid Restore Ultra software - IBM ThinkVantage Technology enhanced productivity tools.. Adobe Acrobat Reader, IBM RecordNow and DLA (CD-RW models only), Intervideo WinDVD player (DVD models only), Norton AntiVirus (OEM Edition), PC-Doctor, Update Connector Downloadable: IBM Client Security Software (Embedded Security Subsystem 2.0 models only), IBM Director Agent, Software Delivery Assistant, System Migration Assistant License: Lotus Notes Standalone Client (license), Lotus SmartSuite (license)
Intel Hyper-Threading Processor technology	Models with 533 MHz FSB and 3.06 GHz Pentium 4 processor or all models with 800 MHz FSB can benefit from Intel Hyper-Threading. This new performance enhancing technology brings multi-tasking capabilities to your ThinkCentre desktop.
Memory	S50 - PC2700 DDR SDRAM , 2 DIMM sockets
Hard drive	Ultra ATA-100 (7200rpm rotational speed) + selected models feature Serial ATA-150 for improved interface speeds and cable routing.
Network Interface/Communication	Integrated Intel PRO/1000 (Gigabit Ethernet) or Integrated Intel PRO/100 Ethernet. (Both with remote Wake on LAN capability)
Video Graphics	S50 - Integrated Intel Extreme Graphics 2 (Dynamic Video Memory Technology)
Keyboard / Mouse / Diskette	IBM Preferred Pro Keyboard, IBM Optical Wheel mouse (USB) or IBM 2-Button Wheel mouse (PS/2) 3.5" 1.44MB Diskette on selected models.
Slots, Bays and Ports	2 PCI slots (half size maximum)
Small Desktop (2x3)	3 bays: (1) 3.5" accessible, (1) 3.5" non-accessible and (1) 5.25" HH accessible (1) serial port, (1) parallel, (8) USB 2.0 (two front and six rear), (2) PS/2 keyboard and mouse
Power Supply	200 Watts

ThinkCentre S Series Model Comparison

	Processor (MHz)	Hyper-Threading Technology	Front Side Bus Speed (MHz)	Memory: std./max. (MB/GB)	Hard Disk Drive Size (GB)	Serial ATA Hard Drive	Optical Drive	Ethernet (10/100 or Gigabit)	Embedded Security Subsystem	Slots: total/available.	Bays: total/available.	Operating System	Part number	Model Type	ESP (Excl. VAT) Euro	ESP (CHF) Incl VAT
	ThinkCentre S50 - 2x3															
New!	Cel 2.00		400	128/2	40		CD-ROM	10/100		2/2	3/0	Win XP	PZBA1xx	8417-A1G	☎	☎
New!	Cel 2.20		400	128/2	40		CD-ROM	10/100		2/2	3/0	Win XP	PZBA2xx	8417-A2G	☎	☎
	P4 2.53		533	256/2	40		CD-ROM	10/100		2/2	3/0	Win XP	PZA55xx	8183-55G	1.070,00	1,610.00
	P4 2.66		533	256/2	40		CD-ROM	10/100		2/2	3/0	Win XP	PZA21xx	8183-21G	1.090,00	1,650.00
	P4 2.66		533	256/2	40		DVD-ROM	Gbit.	✓	2/2	3/0	Win XP	PZA2Bxx	8183-2BG	1.190,00	1,800.00
	P4 2.80		533	256/2	40		CD-ROM	10/100		2/2	3/0	Win XP	PZA35xx	8183-35G	1.190,00	1,790.00
	P4 2.80	✓	800	512/2	40		DVD-ROM	Gbit.	✓	2/2	3/0	Win XP	PZA3Fxx	8183-3FG	1.400,00	2,120.00
	P4 2.80		533	512/2	40		CD-ROM	10/100		2/2	3/0	Win XP	PZA3Gxx	8183-3GG	1.270,00	1,920.00
	P4 2.80	✓	800	256/2	40		CD-ROM	10/100	✓	2/2	3/0	Win XP	PZA3Jxx	8183-3JG	1.280,00	1,940.00
WH	P4 3.00	✓	800	512/2	40		DVD-ROM	Gbit.	✓	2/2	3/0	Win XP	PZA43xx	8183-43G	1.620,00	2,450.00
	P4 3.00	✓	800	256/2	40		CD-ROM	10/100	✓	2/2	3/0	Win XP	PZA4Gxx	8183-4GG	1.510,00	2,270.00
	P4 3.00	✓	800	512/2	80	✓	DVD-ROM	10/100	✓	2/2	3/0	Win XP	PZA4Jxx	8183-4JG	1.650,00	2,480.00
	P4 3.06	✓	533	256/2	40		CD-ROM	10/100		2/2	3/0	Win XP	PZA46xx	8183-46G	1.410,00	2,130.00

Selected ThinkCentre Accessories & Upgrades			
IBM ThinkVision L170p 17.0in Hybrid TFT LCD (17.0in/432mm VIS) TCO-99 Stealth Black Colour Monitor	T34HBxx	663,00	978.00
256MB USB 2.0 Memory Key	22P9025	190,00	290.00
1GB PC2700 CL2.5 NP DDR SRDRAM UDIMM	31P8857	729,00	1,100.00
48x/24x/48x/16x Max CD-RW/DVD-ROM Combination Drive	22P7031	150,00	228.00

TS = TopSeller WH = Workhorse
For additional ThinkCentre compatible options refer to ThinkCentre Options table at the end of the ThinkCentre section.

IBM ThinkCentre Accessories & Upgrades

Description	A50p 8193/8194/8195/8432/8433 S50l/A50 8163/8164/8418/8320/8419 M50 8187/8188/8189/8190 M50 8185/8186	Part Number	ESP (Excl. VAT) Euro	ESP (CHF) Incl VAT
Memory				
DIMM/SDRAM				
128MB PC2700 CL2.5 NP DDR SRDRAM UDIMM	✓ ✓ ✓ ✓	31P8854	38,00	57.00
256MB PC2700 CL2.5 NP DDR SRDRAM UDIMM	✓ ✓ ✓ ✓	31P8855	61,00	93.00
512MB PC2700 CL2.5 NP DDR SRDRAM UDIMM	✓ ✓ ✓ ✓	31P8856	122,00	184.00
1GB PC2700 CL2.5 NP DDR SRDRAM UDIMM	✓ ✓ ✓ ✓	31P8857	729,00	1,100.00
Storage				
CD-ROM Drives				
48X-20X Internal IDE CD-ROM Drive (Black)	✓ ✓ ✓ ✓	10K3782	54,00	82.00
IBM 16X Max RAM-Read DVD-ROM Black Drive	✓ ✓ ✓ ✓	22P6950	119,00	174.00
IBM 16X Max RAM-Read DVD-ROM White Drive	✓ ✓ ✓ ✓	22P6951	119,00	174.00
IBM Multi-Burner	✓ ✓ ✓ ✓	22P6970	346,00	528.00
48x24x48x Max CD-RW Drive (Black)	✓ ✓ ✓ ✓	22P6997	146,00	214.00
48x/24x/48x/16x Max CD-RW/DVD-ROM Combination Drive	✓ ✓ ✓ ✓	22P7031	150,00	228.00
USB 2.0 Portable CD-RW Drive - Europe	✓ ✓ ✓ ✓	22P9073	465,00	☎
USB 2.0 Portable CD-RW Drive - Denmark	✓ ✓ ✓ ✓	22P9074	465,00	689.00
USB 2.0 Portable CD-RW Drive - South Africa/India	✓ ✓ ✓ ✓	22P9075	☎	☎
USB 2.0 Portable CD-RW Drive - UK	✓ ✓ ✓ ✓	22P9076	☎	☎
USB 2.0 Portable CD-RW Drive - Israel	✓ ✓ ✓ ✓	22P9079	☎	☎
48X-20X IDE Internal CD-ROM Drive	✓ ✓ ✓ ✓	33L5001	63,00	91.00
USB Portable CD-ROM Drive	✓ ✓ ✓ ✓	33L5151	251,00	370.00
Diskette Drives				
IBM 250MB Zip Internal IDE Drive	✓ ✓ ✓ ✓	00N8078	125,00	183.00
USB Portable Diskette Drive	✓ ✓ ✓ ✓	05K9276	83,15	124.00
Hard Disk Drives/Non Hot Swap				
Portable 20GB USB 2.0 Hard Disk Drive with Rapid Restore	✓ ✓ ✓ ✓	09N4211	229,00	474.00
80GB ATA/100 EIDE Hard Disk Drive (7200rpm)	✓ ✓ ✓ ✓	09N4248	191,00	289.00
120GB ATA/100 EIDE Hard Disk Drive (7200rpm)	✓ ✓ ✓ ✓	09N4249	226,00	341.00
80GB Serial ATA Hard Disk Drive	✓ ✓ ✓ ✓	09N4253	214,00	324.00
160GB Serial ATA Hard Disk Drive	✓ ✓ ✓ ✓	09N4254	255,00	385.00
Portable 40GB USB 2.0 Hard Drive with Rapid Restore	✓ ✓ ✓ ✓	09N4255	311,00	471.00
40GB ATA/100 EIDE SL Hard Disk Drive (5400rpm)	✓ ✓ ✓ ✓	22P7156	☎	246.00
40GB ATA/100 EIDE SL Hard Disk Drive (7200rpm)	✓ ✓ ✓ ✓	22P7157	176,00	258.00
Desktop Expansion				
Other				
USB Serial Parallel Adapter	✓ ✓ ✓ ✓	22P5298	93,00	142.00
Flat Panel Monitors				
Flat Panel Essential				
T541 15in Analogue TFT LCD (15.0in/380mm VIS) TCO-99 Stealth Black Colour Monitor	1 1 1 1	T12ABxx	529,00	779.00
IBM ThinkVision L170 17.0in Analogue TFT LCD (17.0in/432mm VIS) TCO-99 Stealth Black Colour Monitor	✓ ✓ ✓ ✓	T34ABXX	606,00	893.00
IBM ThinkVision L170 17.0in Analogue TFT LCD (17.0in/432mm VIS) TCO-99 Stealth Black Colour Monitor	✓ ✓ ✓ ✓	T34ANXX	523,00	789.00
T541 15.0in Analogue TFT LCD (15.0in/380mm VIS) TCO-99 Stealth Black Colour Monitor	1 1 1 1	T41ABxx	341,00	517.00

Description	A50p 8193/8194/8195/8432/8433	S50i/A50 8183/8184/8418/8419/8320/8419	M50 8187/8188/8189/8190	M50 8185/8186	Part Number	ESP (Excl. VAT) Euro	ESP (CHF) Incl VAT
T710 17.0in Analogue TFT LCD (17.0in/432mm VIS) TCO-99 Stealth Black Colour Monitor	1	1	1	1	T71ABxx	827,00	1,220.00
Flat Panel Performance							
T541H 15.0in Hybrid TFT LCD (15.0in/380mm VIS) TCO-99 Stealth Black Colour Monitor	1	1	1	1	T12HBXX	560,00	825.00
T541L 15.0in Hybrid TFT LCD (15.0in/380mm VIS) TCO-99 Stealth Black Colour Monitor	1	1	1	1	T12LBXX	553,00	807.00
IBM ThinkVision L170p 17.0in Hybrid TFT LCD (17.0in/432mm VIS) TCO-99 Stealth Black Colour Monitor	1	1	1	1	T34HBXX	663,00	978.00
IBM ThinkVision L200p 20.1in Hybrid TFT LCD (20.1in/511mm VIS) TCO-99 Stealth Black Colour Monitor	1	1	1	1	T36HBXX	1.890,00	2,760.00
T860 18.1in Hybrid TFT LCD (18.1in/460mm VIS) TCO-99 Stealth Black Colour Monitor	1	1	1	1	T4HB0xx	1.250,00	1,840.00
T560 15.0" Hybrid TFT LCD (15.0"/380mm VIS) TCO-99 Stealth Black Colour Monitor	1	1	1	1	T56HGxx	694,00	1,010.00
T750 17.0in Hybrid TFT LCD (17.0in/433mm VIS) TCO-99 Stealth Black Colour Monitor	1	1	1	1	T75HGXX	938,00	1,360.00
CRT Monitors							
CRT Essential							
E74 17in FST (15.9in/404mm VIS) MPR-II Stealth Black Colour Monitor	1	1	1	1	T0747XX	185,00	279.00
E74 17in FST (15.9in/404mm VIS) MPR-II Stealth Black Colour Monitor	1	1	1	1	T07B7XX	152,00	231.00
G78 17" FLAT (16.0" VIS) 85KHz 0.25mm 1280x1024/75Hz TCO-99 NH Stealth Black Colour Monitor	1	1	1	1	T274Axx	256,00	377.00
G78 17in Flat CRT (16.0in/406mm VIS) TCO-03 Two-Tone Black Monitor	1	1	1	1	T27KAxx	256,00	377.00
G78 17in Flat CRT (16.0in/406mm VIS) TCO-03 Two-Tone Black Monitor	1	1	1	1	T27KBXX	215,00	324.00
IBM ThinkVision C170 17in Flat CRT (16.0in/406mm VIS) TCO-99 Stealth Black Colour Monitor	1	1	1	1	T3766XX	228,00	346.00
IBM ThinkVision C170 17in Flat CRT (16.0in/406mm VIS) TCO-99 Stealth Black Colour Monitor	1	1	1	1	T376BXX	☎	☎
IBM ThinkVision C170 17in Flat CRT (16.0in/406mm VIS) TCO-03 Two-Tone Black Colour Monitor	1	1	1	1	T37K6XX	228,00	346.00
IBM ThinkVision C190 19in Flat CRT (18.0in/457mm VIS) TCO-99 Stealth Black Colour Monitor	1	1	1	1	T3960XX	306,00	461.00
IBM ThinkVision C190 19in Flat CRT (18.0in/457mm VIS) TCO-03 Two-Tone Black Colour Monitor	1	1	1	1	T39K0XX	306,00	461.00
G97 19in FST (18.0in/457mm VIS) TCO-99 Stealth Black Colour Monitor	1	1	1	1	T44ANxx	235,00	355.00
CRT Performance							
P97 19in FD Trinitron CRT (18.0in/456mm VIS) TCO-95 Stealth Black Colour Monitor	1	1	1	1	T1U3Nxx	494,00	753.00
P77 17" FD Trinitron CRT (16.0"/407mm VIS) TCO-95 Stealth Black Colour Monitor	1	1	1	1	T39U3XX	373,00	549.00
P275 21" FD Trinitron CRT (19.8"/503mm VIS) TCO-99 Stealth Black Colour Monitor	1	1	1	1	T52U3xx	991,00	1,460.00
Multimedia							
Other							
FlatPanel Speakers - EU Power Cord	✓	✓	✓	✓	10K0160	96,19	☎
FlatPanel Speakers - Danish Power Cord	✓	✓	✓	✓	10K0161	☎	☎
FlatPanel Speakers - South African Power Cord	✓	✓	✓	✓	10K0162	☎	☎
FlatPanel Speakers - UK Power Cord	✓	✓	✓	✓	10K0163	☎	☎
FlatPanel Speakers - Swiss Power Cord	✓	✓	✓	✓	10K0164	☎	147.00
FlatPanel Speakers - Italian Power Cord	✓	✓	✓	✓	10K0165	☎	☎
FlatPanel Speakers - Israeli Power Cord	✓	✓	✓	✓	10K0166	☎	☎
T860 Speaker/USB Hub - Stealth Black	2	2	2	2	19K1901	131,00	191.00
15in Flat Panel Monitor Speaker Bezel	3	3	3	3	22P8986	93,00	135.00

Description	A50p 8193/8194/8195/8432/8433	S50i/A50 8183/8184/8418/8320/8419	M50 8187/8188/8189/8190	M50 8185/8186	Part Number	ESP (Excl. VAT) Euro	ESP (CHF) Incl VAT
64MB NVIDIA Quadro4 200NVS VGA/DVI-I Dual Head Graphics Adapter	✓		✓	✓	33L3543	182,00	267.00
Networking							
Adapters							
PCI Ultra160 SCSI Adapter	✓		✓		19K4646	184,00	271.00
Adapters/Ethernet							
PRO/1000T Desktop Adapter by Intel + Software	4	4	4		22P6501	124,00	183.00
PRO/1000T Low Profile Desktop Adapter by Intel + Software				✓	22P6601	124,00	183.00
Adapters/Token Ring							
16/4 Token-Ring Low Profile PCI Management Adapter				✓	07P2701	188,04	293.00
16/4 Token-Ring PCI Management Adapter	✓	✓	✓		34L5001	166,30	266.00
High-Speed 100/16/4 Token-Ring PCI Management Adapter	✓	✓	✓		34L5201	213,04	332.00
Adapters/Wireless							
High Rate Wireless LAN PCI Adapter (Low Profile Enabled) + Software	5	5	5	5	22P6901	190,00	279.00
Accessories							
Keyboards							
Stealth Black Preferred USB Keyboard with 2-Port USB Hub	✓	✓	✓	✓	10K385x	☎	☎
104-Key Stealth Black Rapid Access III USB Keyboard with Hub - Arabic	✓	✓	✓	✓	22P5205	☎	☎
Stealth Black Rapid Access III USB Keyboard with Hub	✓	✓	✓	✓	22P5xxx	☎	☎
Stealth Black Preferred Pro Full-size PS/2 Keyboard	✓	✓	✓	✓	31P74xx	31,00	47.00
Pearl White Preferred Pro Full-size PS/2 Keyboard	✓	✓	✓	✓	31P74yy	☎	☎
USB Keyboard with UltraNav	✓	✓	✓	✓	31P89XX	94,00	137.00
Pointing Devices							
Sleek 2-Button Pearl White Mouse	✓	✓	✓	✓	28L3674	14,00	20.00
IBM Sleek 2-Button Mouse - Stealth Black (PS/2)	✓	✓	✓	✓	28L3675	14,00	20.00
USB Optical Wheel Mouse	✓	✓	✓	✓	06P4069	23,00	34.00
Optical 3-Button ScrollPoint Mouse (800dpi) PS/2 & USB	✓	✓	✓	✓	31P7405	31,00	47.00
Optical 3-Button Travel Wheel Mouse (800dpi) PS/2 & USB	✓	✓	✓	✓	31P7410	41,00	60.00
Optical 3-Button ScrollPoint Pro Mouse (800dpi) PS/2 & USB	✓	✓	✓	✓	31P8700	35,00	52.00
Memory Keys							
32MB USB Memory Key	✓	✓	✓	✓	22P5296	38,00	59.00
64MB USB 2.0 Memory Key	✓	✓	✓	✓	22P9024	105,00	153.00
256MB USB 2.0 Memory Key	✓	✓	✓	✓	22P9025	190,00	290.00
Other							
IBM Radial Arm	6	6	6	6	19K4464	203,25	322.00
Projectors							
IBM iLM300 MicroPortable Data/Video Projector - UK	✓	✓	✓	✓	31P6905	☎	☎
IBM iLM300 MicroPortable Data/Video Projector - Europe (except CEE countries)	✓	✓	✓	✓	31P6913	2.590,00	☎
iLV200 ValueBased and iLC200 Conference Room Projector Lamp	7	7	7	7	31P6936	465,00	689.00
iLV300 Value Data/Video Projector - UK	✓	✓	✓	✓	31P9861	☎	☎
iLV300 Value Data/Video Projector - EU	✓	✓	✓	✓	31P9864	1.580,00	☎
iLV300 Value Data/Video Projector - Italian	✓	✓	✓	✓	31P9865	☎	☎
iLV300 Value Data/Video Projector - Danish	✓	✓	✓	✓	31P9866	☎	☎
iLV300 Value Data/Video Projector - Swiss	✓	✓	✓	✓	31P9869	☎	2,360.00
Projector Lamp for iLV300 Value Data/Video Projector	8	8	8	8	31P9870	518,00	781.00
iLC300 Conference Room Data/Video Projector - UK	✓	✓	✓	✓	31P9901	☎	☎
iLC300 Conference Room Data/Video Projector - EU	✓	✓	✓	✓	31P9904	3.780,00	☎
iLC300 Conference Room Data/Video Projector - Italian	✓	✓	✓	✓	31P9905	☎	☎
iLC300 Conference Room Data/Video Projector - Danish	✓	✓	✓	✓	31P9906	☎	☎
iLC300 Conference Room Data/Video Projector - Swiss	✓	✓	✓	✓	31P9909	☎	5,680.00
Projector Lamp for iLC300 Conference Room Data/Video Projector	9	9	9	9	31P9910	459,00	691.00

Description	A50p 8193/8194/8195/8432/8433 S50/A50 8183/8184/8418/8320/8419 M50 8187/8188/8189/8190 M50 8185/8186				Part Number	ESP (Excl. VAT) Euro	ESP (CHF) Incl VAT
Projector Lamp for MicroPortable Data/Video Projector	10	10	10	10	33L3456	399,98	611.00
IBM iLM300 MicroPortable Data/Video Projector - Denmark	✓	✓	✓	✓	33L3532	☎	☎
IBM iLM300 MicroPortable Data/Video Projector - Switzerland	✓	✓	✓	✓	33L3533	☎	3,890.00
IBM iLM300 MicroPortable Data/Video Projector - Italy	✓	✓	✓	✓	33L3534	☎	☎
Projector Lamp - iLM300 MicroPortable Projector	11	11	11	11	33L3537	439,00	639.00

1. This monitor has been tested with IBM personal computers and is compatible with systems and graphics adapters which comply with the relevant parts of "VESA and industry standards and guidelines for computer display monitor timing" version 1.0 revision 0.8, adopted September 17, 1998.
Supported display modes and number of colors are a function of the attaching system unit. The full range of display modes, refresh rates, and number of colors available with this monitor may not be available or supported with all combinations of system units, their operating systems, and application software. Implementation of monitor Plug and Play follows the VESA DDC standard. This standard must also be implemented in the attaching system unit hardware and software to be effective.

2. To be used on T860 Flat Panel monitors with serial numbers 66-Axxxx.

3. Can be used on the T541 and the T560 Flat Panel monitors

4. Many systems have standard Ethernet functions.

5. Requires a nearby WiFi compliant wireless LAN acces point like 09N9906 or a High Rate Wireless LAN Gateway like 22P6401.

6. Can be used to mount a Flat Panel Monitor such as the T54, T55, T56, T74, T85, T86.

7. To be used in the Value Based Data/Video and the Conference Room Data/Video Projectors A02 models.

8. To be used in the iLV300 Value Data/Video Projector (M/T 0038A03)

9. To be used in the iLC300 Conference Room Data/Video Projector (M/T 0039A03)

10. To be used in the MicroPortable Data/Video Projector.

11. To be used in the iLM300 MicroPortable Data/Video Projector 0037-A03.

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IBM IntelliStation Family

Highlights

Solutions that mean business

IBM IntelliStation workstations are designed for your most critical business operations. With relentless reliability and superior application performance, IntelliStation workstations are engineered for peak productivity.

Certified for success

Development resources for IBM IntelliStation workstations are unmatched, from research to integration to testing. IBM system engineers work directly with leading software vendors to compatibility-test and certify leading engineering, digital media, financial and office productivity applications on IntelliStation. An extensive portfolio of applications - more than any workstation vendor - have been rigorously tested to help ensure that your essential software stays up and running reliably and efficiently.

Technology leadership

IntelliStation workstations are engineered specifically for a workstation environment and running technical applications. You can rely on leading-edge technology with the latest processing power, first-to-market 2D/3D graphics and Linux support.

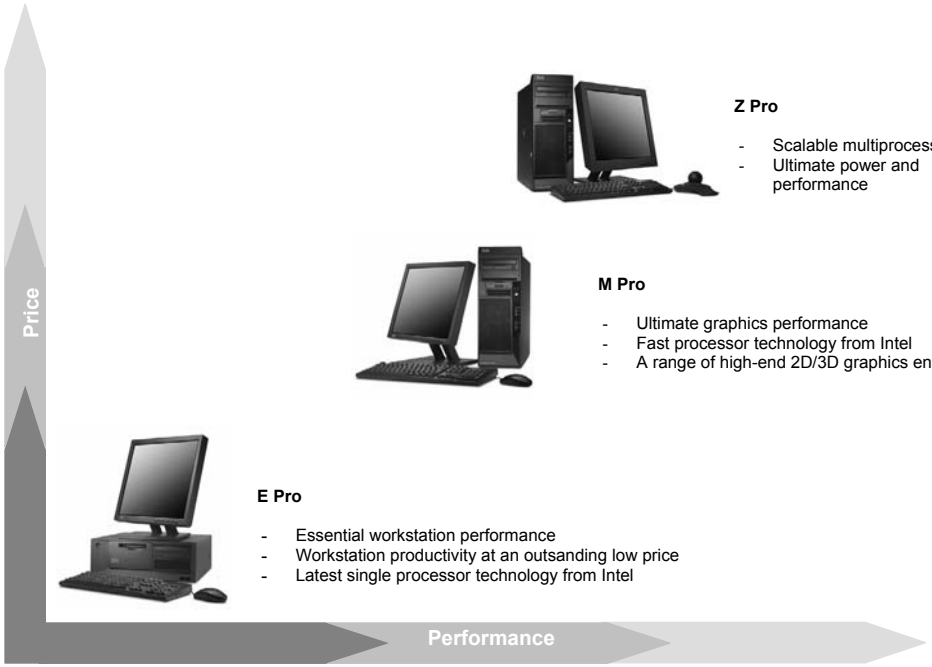
A higher level of support

IntelliStation owners are afforded a unique level of Web-based support through Ask Engineering, a dedicated team of system engineers on-line for pre- and post-sales questions, configuration advice and support for leading technical applications.

Easier to use and manage

Standards-based manageability tools help lower the total cost of ownership by ensuring system reliability and availability. User friendly designs allow quick upgrades, reducing service time and user down time.

Which IntelliStation workstation is right for you?



Z Pro

- Scalable multiprocessor
- Ultimate power and performance

M Pro

- Ultimate graphics performance
- Fast processor technology from Intel
- A range of high-end 2D/3D graphics engines

E Pro

- Essential workstation performance
- Workstation productivity at an outsanding low price
- Latest single processor technology from Intel

IBM IntelliStation E Pro

Highlights

• Intel Pentium 4 processors up to 2.8GHz
• ECC DDR SDRAM up to 2.0GB
• Choice of ATA/100 or Ultra160 SCSI hard disk drives
• Tailored graphics solutions from ATI, Matrox, and NVIDIA
• Online advice from the "Ask IntelliStation" engineering team
• Microsoft Windows XP Professional preloaded; also certified for Windows 2000 Professional and select Linux distributions
• Choice of form factors:
- 4 slot/3 bay compact desktop with stand (6216)
- 4 slot/4 bay full-size desktop (6226)

Specifications	
Processor	Intel Pentium 4 up to 2.8GHz
L2 Cache (std/max)	512KB enhanced full speed ECC cache
Memory (std/max)	256MB/2.0GB
Hard Disk Drive Controller	The EIDE HDD controller comes standard with the IntelliStation E Pro 6216 and 6226 systems. For SCSI HDDs an additional SCSI adapter and cable are required. They are included with the models that have a SCSI HDD installed.
Storage	Hard Disk Drive (std/max): 40GB/80GB Optical: 48x-20x (variable-speed) CD-ROM drive standard Diskette Drive: 3.5" 1.44MB standard
Keyboard/Pointing Device	IBM 104-key Keyboard and IBM Three-button Mouse
Audio	AC-97, high quality internal speaker standard
Ports	Two 9-pin serial ports, one 25-pin parallel port, and four USB ports (two front, two back)
Slots and Bays	6216: Three 32-bit/33MHz PCI (low-profile), three bays (populated), one 4X AGP (low profile) 6226: Three 32-bit/33MHz PCI (full-size), four bays (one 5.25in external open), one 4X AGP
Power Supply	6216 with 160-watt power supply 6226 with 200-watt power supply
BIOS	The IntelliStation E Pro uses Phoenix BIOS, which supports the following features: PCI BIOS Specification V2.2 Plug-and-play BIOS Specification V1.0A DMI BIOS Specification V2.3
Network Interface	Integrated Gigabit Ethernet, with Wake on LAN (WOL) is enabled.
Software and Tools	Microsoft XP Professional, Lotus SmartSuite license (diskettes and hard copy publications available at an additional charge), Lotus Notes Client license (diskettes and hard copy publications available at an additional charge), IBM Product Registration, IBM Utilities, Install Online Books, device drives, Adobe Acrobat Reader, Norton AntiVirus (OEM version), PC-Doctor for Windows, and Access IBM are preloaded. Available via the web: IBM Universal Manageability Services and IBM Tivoli Lightweight Client Framework. Device Drivers and Diagnostics CD also included.
Warranty	Three-year parts and three-year on-site labour

IntelliStation E Pro Model Comparison

Pentium processor (MHz)	L2 cache	Memory: std./max. (MB/GB)	Graphics	S.M.A.R.T. Hard disk drive: type	Hard Disk Drive Size (GB)	Slots x Bays Total (Available)	Operating system	Part number	Model type	ESP (Excl. VAT) Euro	ESP (CHF) Incl VAT
Pentium 4 - Desktop											
2.40	512KB	256/2	Matrox G450 DVI	ATA-100 EIDE	40	4(3) x 4(1)	Win XP	KBU40xx	6226-40G	1.080,00	1,570.00
2.66	512KB	256/2	NVIDIA Q4 200NVS	ATA-100 EIDE	40	4(3) x 4(1)	Win XP	KBU52xx	6226-52G	1.340,00	1,950.00
2.80	512KB	256/2	NVIDIA Quadro4 580XGL	ATA-100 EIDE	40	4(3) x 4(1)	Win XP	KBU64xx	6226-64G	1.700,00	2,490.00
2.40	512KB	256/2	Matrox G450 DVI	ATA-100 EIDE	40	4(3) x 4(1)	DOS 2000	KBUD0xx	6226-D0G	963,00	1,410.00
2.66	512KB	256/2	NVIDIA Q4 200NVS	ATA-100 EIDE	40	4(3) x 4(1)	DOS 2000	KBUE2xx	6226-E2G	1.230,00	1,790.00
2.80	512KB	256/2	NVIDIA Quadro4 580XGL	ATA-100 EIDE	40	4(3) x 4(1)	DOS 2000	KBUF4xx	6226-F4G	1.590,00	2,330.00
Pentium 4 - Low Profile Desktop											
2.40	512KB	256/2	NVIDIA Q4 200NVS	ATA-100 EIDE	40	4(3) x 3(0)	Win XP	KAU42xx	6216-42G	1.110,00	1,630.00
2.66	512KB	256/2	NVIDIA Quadro4 580XGL	ATA-100 EIDE	40	4(3) x 3(0)	Win XP	KAU54xx	6216-54G	1.580,00	2,310.00
2.80	512KB	256/2	NVIDIA Quadro4 580XGL	ATA-100 EIDE	40	4(3) x 3(0)	Win XP	KAU64xx	6216-64G	1.700,00	2,490.00
2.40	512KB	256/2	NVIDIA Q4 200NVS	ATA-100 EIDE	40	4(3) x 3(0)	DOS 2000	KAUD2xx	6216-D2G	1.010,00	1,470.00
2.66	512KB	256/2	NVIDIA Quadro4 580XGL	ATA-100 EIDE	40	4(3) x 3(0)	DOS 2000	KAUE4xx	6216-E4G	1.470,00	2,150.00
2.80	512KB	256/2	NVIDIA Quadro4 580XGL	ATA-100 EIDE	40	4(3) x 3(0)	DOS 2000	KAUF4xx	6216-F4G	1.590,00	2,330.00

Selected IntelliStation Accessories & Upgrades			
Portable 20GB USB 2.0 Hard Disk Drive with Rapid Restore	09N4211	229,00	474.00
128MB USB 2.0 Memory Key	22P8998	157,00	230.00
T221 22.2" Digital TFT LCD (22.2"/564mm VIS) MPR-IIIA Stealth Black Colour Monitor with Matrox Card	T3DG1xx	11.330,00	16,660.00
512MB PC2100 CL2.5 ECC DDR SDRAM UDIMM	10K0069	288,00	432.00
40x12x40x Max CD-RW Drive (Black)	22P6976	138,00	200.00
T210 20.8" Hybrid TFT LCD (20.8" VIS) MPR-IIIA Stealth Black Colour Monitor	T59HGxx	4.440,00	6,530.00

TS = TopSeller WH = Workhorse BM = Business Model
For additional IntelliStation compatible options refer to IntelliStation Options table at the end of the IntelliStation section.

IBM IntelliStation M Pro

Highlights

- ***Intel Pentium 4 processors up to 3.06GHz***
- ***ECC DDR SDRAM up to 4.0GB, dual channel***
- ***Choice of ATA/100 or Ultra320 SCSI hard disk drives***
- ***8X AGP graphics choices from NVIDIA and 3Dlabs***
- ***Expandable 6 slot x 7 bay minitower with 340W power supply***
- ***Online advice from the "Ask IntelliStation" engineering team***
- ***Microsoft Windows XP Professional preloaded; also certified for Windows 2000 Professional and major Linux distributions***

Specifications	
Processor	Intel Pentium 4 running up to 3.06GHz
L2 Cache (std/max)	512KB enhanced full speed ECC cache
Memory (std/max)	256MB, 512MB, 1.0GB/4.0GB
Hard Disk Drive Controller	The EIDE HDD controller comes standard with all IntelliStation M Pro 6219 models. The Ultra320 HDD controller comes standard with SCSI models of IntelliStation M Pro 6219.
Hard Disk Drive (std/max)	ATA-100: 40GB/80GB Ultra320 SCSI models: 36.4GB/73GB
Storage	Diskette Drive: 3.5" 1.44MB standard Optical: models available with one of the following standard - 48x-20x (variable-speed) CD-ROM drive, up to 48X/24X/48X CD-RW, up to 48X/24X/48X/16X CD-RW/DVD combination drive
Keyboard/Pointing Device	IBM 104-key Keyboard and IBM Three-button Mouse
Audio	AC-97, high quality internal speaker standard
Architecture	256-bit DualBus architecture
Ports	Two 9-pin serial ports, one 25-pin parallel port, four USB ports (two front, two back), integrated IEEE 1394 on select models (front panel); all models 1394-ready
Slots	Five 32-bit/33MHz PCI, one 8X AGP Pro 50
Bays	Three 3.5" internal, two 3.5" external, two 5.25" external
Power Supply	340W power supply
BIOS	The IntelliStation M Pro uses Phoenix BIOS, which supports the following features: PCI BIOS Specification V2.2 Plug-and-play BIOS Specification V1.0A DMI BIOS Specification V2.3
Network Interface	Integrated Gigabit Ethernet, with Wake on LAN (WOL) is enabled.
Software and Tools	Microsoft XP Professional, Lotus SmartSuite license (diskettes and hard copy publications available at an additional charge), Lotus Notes Client license (diskettes and hard copy publications available at an additional charge), IBM Product Registration, IBM Utilities, Install Online Books, device drives, Adobe Acrobat Reader, Norton AntiVirus (OEM version), PC-Doctor for Windows, and Access IBM are preloaded. Available via the web: IBM Universal Manageability Services and IBM Tivoli Lightweight Client Framework. Device Drivers and Diagnostics CD also included.
Warranty	Three-year parts and three-year on-site labour

IntelliStation M Pro Model Comparison

	Pentium processor (MHz)	L2 cache	Memory: std./max. (MB/GB)	Graphics	S.M.A.R.T. Hard disk drive: type	Hard Disk Drive Size (GB)	Slots x Bays Total (Available)	Operating system	Part number	Model type	ESP (Excl. VAT) Euro	ESP (CHF) Incl VAT
Pentium 4 - Mini Tower												
	2.40	512KB	256/4	Matrox G450 DVI	ATA-100 EIDE	40	6(5) x 7(4)	Win XP	KT710xx	6219-10G	1.340,00	1,970.00
	2.40	512KB	256/4	NVIDIA Quadro4 280NVS	ATA-100 EIDE	40	6(5) x 7(4)	Win XP	KT712xx	6219-12G	1.380,00	2,020.00
	2.66	512KB	512/4	Matrox G450 DVI	Ultra320 SCSI	36.4	6(5) x 7(4)	Win XP	KT722xx	6219-22G	2.090,00	3,060.00
TS	2.66	512KB	512/4	NVIDIA Quadro4 580XGL	ATA-100 EIDE	40	6(5) x 7(4)	Win XP	KT723xx	6219-23G	1.370,00	2,040.00
	2.66	512KB	512/4	NVIDIA Quadro4 980XGL	Ultra320 SCSI	36.4	6(5) x 7(4)	Win XP	KT727xx	6219-27G	2.640,00	3,870.00
	2.80	512KB	512/4	NVIDIA Quadro4 280NVS	ATA-100 EIDE	40	6(5) x 7(4)	Win XP	KT732xx	6219-32G	1.720,00	2,510.00
	2.80	512KB	512/4	NVIDIA Quadro4 580XGL	Ultra320 SCSI	36.4	6(5) x 7(4)	Win XP	KT734xx	6219-34G	2.240,00	3,280.00
	2.80	512KB	1/4	NVIDIA Quadro FX 1000	Ultra320 SCSI	36.4	6(5) x 7(3)	Win XP	KT735xx	6219-35G	3.180,00	4,670.00
TS	2.80	512KB	512/4	NVIDIA Quadro4 980XGL	Ultra320 SCSI	36.4	6(5) x 7(4)	Win XP	KT738xx	6219-38G	2.020,00	3,010.00
	2.80	512KB	1/4	3Dlabs Wildcat4 7110	Ultra320 SCSI	36.4	6(5) x 7(4)	Win XP	KT739xx	6219-39G	3.780,00	5,550.00
	3.00	512KB	512/4	NVIDIA Quadro4 280NVS	ATA-100 EIDE	40	6(5) x 7(4)	Win XP	KT742xx	6219-42G	2.040,00	2,980.00
	3.00	512KB	1/4	NVIDIA Quadro FX 1000	Ultra320 SCSI	36.4	6(5) x 7(3)	Win XP	KT745xx	6219-45G	3.380,00	4,960.00
	3.00	512KB	512/4	NVIDIA Quadro4 980XGL	Ultra320 SCSI	36.4	6(5) x 7(4)	Win XP	KT748xx	6219-48G	2.930,00	4,300.00
	3.00	512KB	1/4	3Dlabs Wildcat4 7110	Ultra320 SCSI	36.4	6(5) x 7(4)	Win XP	KT749xx	6219-49G	4.180,00	6,130.00
	2.40	512KB	256/4	Matrox G450 DVI	ATA-100 EIDE	40	6(5) x 7(4)	DOS 2000	KT7A0xx	6219-A0G	1.240,00	1,810.00
	2.40	512KB	256/4	NVIDIA Quadro4 280NVS	ATA-100 EIDE	40	6(5) x 7(4)	DOS 2000	KT7A2xx	6219-A2G	1.270,00	1,860.00
	2.66	512KB	512/4	Matrox G450 DVI	Ultra320 SCSI	36.4	6(5) x 7(4)	DOS 2000	KT7B2xx	6219-B2G	1.980,00	2,900.00
	2.66	512KB	512/4	NVIDIA Quadro4 580XGL	ATA-100 EIDE	40	6(5) x 7(4)	DOS 2000	KT7B3xx	6219-B3G	1.780,00	2,610.00
	2.66	512KB	512/4	NVIDIA Quadro4 980XGL	Ultra320 SCSI	36.4	6(5) x 7(4)	DOS 2000	KT7B7xx	6219-B7G	2.530,00	3,700.00
	2.80	512KB	512/4	NVIDIA Quadro4 280NVS	ATA-100 EIDE	40	6(5) x 7(4)	DOS 2000	KT7C2xx	6219-C2G	1.610,00	2,350.00
	2.80	512KB	512/4	NVIDIA Quadro4 580XGL	Ultra320 SCSI	36.4	6(5) x 7(4)	DOS 2000	KT7C4xx	6219-C4G	2.130,00	3,120.00
	2.80	512KB	1/4	NVIDIA Quadro FX 1000	Ultra320 SCSI	36.4	6(5) x 7(3)	DOS 2000	KT7C5xx	6219-C5G	3.070,00	4,510.00
	2.80	512KB	512/4	NVIDIA Quadro4 980XGL	Ultra320 SCSI	36.4	6(5) x 7(4)	DOS 2000	KT7C8xx	6219-C8G	2.520,00	3,690.00
	2.80	512KB	1/4	3Dlabs Wildcat4 7110	Ultra320 SCSI	36.4	6(5) x 7(4)	DOS 2000	KT7C9xx	6219-C9G	3.670,00	5,380.00
	3.00	512KB	512/4	NVIDIA Quadro4 280NVS	ATA-100 EIDE	40	6(5) x 7(4)	DOS 2000	KT7D2xx	6219-D2G	1.930,00	2,820.00
	3.00	512KB	1/4	NVIDIA Quadro FX 1000	Ultra320 SCSI	36.4	6(5) x 7(3)	DOS 2000	KT7D5xx	6219-D5G	3.270,00	4,800.00
	3.00	512KB	512/4	NVIDIA Quadro4 980XGL	Ultra320 SCSI	36.4	6(5) x 7(4)	DOS 2000	KT7D8xx	6219-D8G	2.830,00	4,140.00
	3.00	512KB	1/4	3Dlabs Wildcat4 7110	Ultra320 SCSI	36.4	6(5) x 7(4)	DOS 2000	KT7D9xx	6219-D9G	4.060,00	5,960.00

Selected IntelliStation Accessories & Upgrades			
Portable 20GB USB 2.0 Hard Disk Drive with Rapid Restore	09N4211	229,00	474.00
T221 22.2" Digital TFT LCD (22.2"/564mm VIS) MPR-IIIA Stealth Black Colour Monitor w/Matrox Card	T3DG1XX	11.330,00	16,660.00
512MB PC2100 CL2.5 ECC DDR SDRAM UDIMM	10K0069	288,00	432.00
Stealth Black Wireless Keyboard and Mouse Kit	22P51xx	52,00	77.00
128MB USB 2.0 Memory Key	22P8998	157,00	230.00
256MB PC2100 CL2.5 Non-Parity Unbuffered DDR SDRAM DIMM Memory for NetVista	33L3304	60,00	88.00
G97 19in FST (18.0in/457mm VIS) TCO-99 Stealth Black Colour Monitor	T44ANxx	235,00	355.00
IBM 250MB Zip Internal IDE Drive	00N8078	125,00	183.00

TS = TopSeller WH = Workhorse BM = Business Model

For additional IntelliStation compatible options refer to IntelliStation Options table at the end of the IntelliStation section.

IBM IntelliStation Z Pro

Highlights

- ***Intel Xeon processors up to 3.06GHz, dual capable***
- ***ECC DDR SDRAM up to 8.0GB, dual channel***
- ***Choice of ATA/100 or Ultra320 SCSI hard disk drives***
- ***8X AGP graphics choices from NVIDIA and 3Dlabs***
- ***Flexible 6 slot x 6 bay minitower with 425W power supply***
- ***Online advice from the "Ask IntelliStation" engineering team***
- ***Microsoft Windows XP Professional preloaded; also certified for Windows 2000 Professional and major Linux distributions***

Specifications	
Processor	Intel Xeon running up to 3.06GHz
L2 Cache (std/max)	512KB enhanced full speed ECC cache
Memory (std/max)	512MB, 1.0GB/8.0GB
Hard Disk Drive Controller	The EIDE and SCSI HDD controllers come standard with all IntelliStation Z Pro 6221 models.
Hard Disk Drive (std/max)	ATA-100: 40GB/80GB Ultra320 SCSI models: 36.4GB/73GB
Storage	Diskette Drive: 3.5" 1.44MB standard Optical storage: models available with one of the following standard - 48x-20x (variable-speed) CD-ROM drive, up to 48X/24X/48X CD-RW, up to 48X/24X/48X/16X CD-RW/DVD combination drive
Keyboard/Pointing Device	IBM 104-key Keyboard and IBM Three-button Mouse
Audio	AC-97, high quality internal speaker standard
Architecture	256-bit DualBus architecture
Ports	Two 9-pin serial ports, one 25-pin parallel port, four USB ports (two front, two back), integrated IEEE 1394 on select models (1 front, 1 back); all models 1394-ready
Slots	One 32-bit/33MHz PCI, four 64-bit/100MHz PCI-X, one 8X AGP Pro 50
Bays	Three 3.5" internal, one 3.5" external, two 5.25" external
Power Supply	425W power supply
BIOS	The IntelliStation Z Pro uses the Phoenix Award BIOS, which supports the following features: PCI BIOS Specification V2.2 Plug-and-play BIOS Specification V1.0A DMI BIOS Specification V2.2
Network Interface	Integrated Gigabit Ethernet, with Wake on LAN (WOL) is enabled.
Software and Tools	Microsoft XP Professional, Lotus SmartSuite license (diskettes and hard copy publications available at an additional charge), Lotus Notes Client license (diskettes and hard copy publications available at an additional charge), IBM Product Registration, IBM Utilities, Install Online Books, device drives, Adobe Acrobat Reader, Norton AntiVirus (OEM version), PC-Doctor for Windows, and Access IBM are preloaded. Available via the web: IBM Universal Manageability Services and IBM Tivoli Lightweight Client Framework. Device Drivers and Diagnostics CD also included.
Warranty	Three-year parts and three-year on-site labour

IntelliStation Z Pro Model Comparison

Pentium processor (MHz)	L2 cache	Memory: std./max. (MB/GB)	Graphics	S.M.A.R.T. Hard disk drive: type	Hard Disk Drive Size (GB)	Slots x Bays Total / (Available)	Operating system	Part number	Model type	ESP (Excl. VAT) Euro	ESP (CHF) Incl VAT
(Intel Xeon) Mini tower											
2.40	512KB	512/8	Matrox G450 DVI	ATA-100 EIDE	40	6(5) x 6(3)	Win XP	KPK10xx	6221-10G	1.960,00	2,870.00
2.66	512KB	512/8	NVIDIA Quadro4 280NVS	ATA-100 EIDE	40	6(5) x 6(3)	Win XP	KPK22xx	6221-22G	2.180,00	3,190.00
2.80	512KB	512/8	NVIDIA Quadro4 280NVS	Ultra320 SCSI	36.4	6(5) x 6(3)	Win XP	KPK33xx	6221-33G	2.630,00	3,860.00
2.80	512KB	1/8	NVIDIA Quadro4 980XGL	Ultra320 SCSI	36.4	6(5) x 6(3)	Win XP	KPK38xx	6221-38G	3.430,00	5,030.00
3.06	512KB	512/8	Matrox G450 DVI	ATA-100 EIDE	40	6(5) x 6(3)	Win XP	KPK40xx	6221-40G	2.680,00	3,930.00
3.06	512KB	512/8	NVIDIA Quadro4 280NVS	ATA-100 EIDE	40	6(5) x 6(3)	Win XP	KPK42xx	6221-42G	2.700,00	3,960.00
3.06	512KB	1/8	NVIDIA Quadro4 980XGL	Ultra320 SCSI	36.4	6(5) x 6(3)	Win XP	KPK46xx	6221-46G	3.680,00	5,400.00
3.06	512KB	1/8	3Dlabs Wildcat4 7110	Ultra320 SCSI	36.4	6(4) x 6(3)	Win XP	KPK47xx	6221-47G	4.920,00	7,220.00
3.06	512KB	1/8	NVIDIA Quadro FX 1000	Ultra320 SCSI	36.4	6(5) x 6(3)	Win XP	KPK48xx	6221-48G	3.380,00	4,960.00
3.06	512KB	1/8	NVIDIA Quadro4 280NVS	Ultra320 SCSI	36.4	6(5) x 6(3)	Win XP	KPK49xx	6221-49G	4.420,00	6,490.00
2.40	512KB	512/8	Matrox G450 DVI	ATA-100 EIDE	40	6(5) x 6(3)	DOS 2000	KPKA0xx	6221-A0G	1.850,00	2,710.00
2.66	512KB	512/8	NVIDIA Quadro4 280NVS	ATA-100 EIDE	40	6(5) x 6(3)	DOS 2000	KPKB2xx	6221-B2G	2.070,00	3,030.00
2.80	512KB	512/8	NVIDIA Quadro4 280NVS	Ultra320 SCSI	36.4	6(5) x 6(3)	DOS 2000	KPKC3xx	6221-C3G	2.530,00	3,700.00
2.80	512KB	1/8	NVIDIA Quadro4 980XGL	Ultra320 SCSI	36.4	6(5) x 6(3)	DOS 2000	KPKC8xx	6221-C8G	3.320,00	4,870.00
3.06	512KB	512/8	Matrox G450 DVI	ATA-100 EIDE	40	6(5) x 6(3)	DOS 2000	KPKD0xx	6221-D0G	2.570,00	3,770.00
3.06	512KB	512/8	NVIDIA Quadro4 280NVS	ATA-100 EIDE	40	6(5) x 6(3)	DOS 2000	KPKD2xx	6221-D2G	2.580,00	3,790.00
3.06	512KB	1/8	NVIDIA Quadro4 980XGL	Ultra320 SCSI	36.4	6(5) x 6(3)	DOS 2000	KPKD6xx	6221-D6G	3.570,00	5,240.00
3.06	512KB	1/8	3Dlabs Wildcat4 7110	Ultra320 SCSI	36.4	6(4) x 6(3)	DOS 2000	KPKD7xx	6221-D7G	4.810,00	7,060.00
3.06	512KB	1/8	NVIDIA Quadro FX 1000	Ultra320 SCSI	36.4	6(5) x 6(3)	DOS 2000	KPKD8xx	6221-D8G	3.270,00	4,800.00
3.06	512KB	1/8	NVIDIA Quadro4 280NVS	Ultra320 SCSI	36.4	6(5) x 6(3)	DOS 2000	KPKD9xx	6221-D9G	4.310,00	6,330.00

Selected IntelliStation Accessories & Upgrades			
48X-20X Internal IDE CD-ROM Drive (Black)	10K3782	54,00	82.00
80GB ATA/100 EIDE SL Hard Disk Drive (7200rpm)	09N4226	196,00	289.00
1GB PC2100 CL2.5 ECC DDR SDRAM RDIMM	33L5039	748,00	1,120.00
Optical 3-Button ScrollPoint Mouse PS/2 & USB	33L3250	40,00	59.00
IBM 250MB Zip Internal IDE Drive	00N8078	125,00	183.00

TS = TopSeller WH = Workhorse BM = Business Model

For additional IntelliStation compatible options refer to IntelliStation Options table at the end of the IntelliStation section.

IBM IntelliStation Accessories & Upgrades

Description	E Pro 6216 / 6226	M Pro 6219	Z Pro 6221	Part Number	ESP (Excl. VAT) Euro	ESP (CHF) Incl VAT
Memory						
DIMM/SDRAM						
256MB PC2100 CL2.5 ECC DDR SDRAM UDIMM	✓	1		10K0067	115,00	173.00
512MB PC2100 CL2.5 ECC DDR SDRAM UDIMM	✓	1		10K0069	288,00	432.00
1GB PC2100 CL2.5 ECC DDR SDRAM UDIMM	✓	1		10K0071	1.150,00	1,720.00
256MB PC2100 CL2.5 ECC DDR SDRAM RDIMM			✓	33L5037	115,00	173.00
512MB PC2100 CL2.5 ECC DDR SDRAM RDIMM			✓	33L5038	288,00	432.00
1GB PC2100 CL2.5 ECC DDR SDRAM RDIMM			✓	33L5039	748,00	1,120.00
2GB PC2100 CL2.5 ECC DDR SDRAM RDIMM {512Mb}			✓	33L5040	2.300,00	3,450.00
Processor Upgrades						
Xeon						
2.4 GHz 533 MHz 512 KB L2 Cache Xeon Second Processor for 6221			✓	24P7468	551,00	826.00
3.06 GHz 533Mhz 512KB L2 Cache Xeon Second Processor for 6221			✓	24P8123	1.400,00	2,030.00
2.67GHz 533MHz 512KB L2 Cache Xeon Processor			✓	59P5109	666,00	999.00
2.8GHz 533MHz B 512KB L2 Cache Xeon Processor			✓	59P5110	1.020,00	1,520.00
Storage						
Adapters						
ServeRAID-4Lx Ultra160 SCSI Controller		✓	✓	06P5740	461,00	678.00
IBM ATA 133 RAID Controller		✓	✓	71P8592	152,00	223.00
Cables						
SCSI External 2m Cable	✓	✓	✓	01K8027	45,11	83.00
Enabling cable for external Ultra320 SCSI port			✓	24P7929	31,00	46.00
CD-ROM Drives						
48X-20X Internal IDE CD-ROM Drive (Black)	✓	✓	✓	10K3782	54,00	82.00
IBM 16X Max RAM-Read DVD-ROM Black Drive	✓	✓	✓	22P6950	119,00	174.00
IBM Multi-Burner	✓	✓		22P6970	346,00	528.00
IBM 32X/10X/40X/16X Max CD-RW/DVD-ROM Combination Drive		✓	✓	22P6973	150,00	228.00
48x24x48x Max CD-RW Drive (Black)	✓			22P6997	146,00	214.00
Diskette Drives						
IBM 250MB Zip Internal IDE Drive	✓	✓	✓	00N8078	125,00	183.00
USB Portable Diskette Drive		✓		05K9276	83,15	124.00
Hard Disk Drives/Hot Swap						
36.4GB 15K rpm Ultra 320 SCSI Hot-Swap SL HDD	✓		✓	32P0734	483,00	724.00
73GB 15K rpm Ultra 320 SCSI Hot-Swap SL HDD	✓		✓	32P0735	920,00	1,380.00
Hard Disk Drives/Non Hot Swap						
18.2GB 10K Ultra160 SCSI SL HDD	✓	✓	✓	06P5750	250,00	365.00
36.4GB 10K Ultra160 SCSI SL HDD	✓	✓	✓	06P5751	311,00	466.00
73.4GB 10K Ultra160 SCSI SL HDD	✓	✓	✓	06P5752	506,00	760.00
18.2GB 15K rpm Ultra 160 SCSI SL HDD	✓			06P5765	299,00	438.00
36.4GB 15K rpm Ultra 160 SCSI SL HDD	✓	✓		06P5766	483,00	724.00
80GB ATA/100 EIDE SL Hard Disk Drive (7200rpm)		✓	✓	09N4226	196,00	289.00
120GB ATA/100 EIDE SL Hard Disk Drive (7200rpm)			✓	09N4231	231,00	339.00
40GB ATA/100 EIDE SL Hard Disk Drive (7200rpm)	✓	✓	✓	22P7157	176,00	258.00
36.4 GB 10K rpm Ultra320 SCSI HDD		✓	✓	32P0723	311,00	466.00
73.4 GB 10K rpm Ultra320 SCSI HDD		✓	✓	32P0724	506,00	760.00
146.8 GB 10K rpm Ultra320 SCSI HDD			✓	32P0725	920,00	1,380.00
36.4GB 15K rpm Ultra 320 SCSI Non Hot-Swap SL HDD	✓		✓	32P0784	483,00	724.00
73GB 15K rpm Ultra 320 SCSI Non Hot-Swap SL HDD	✓		✓	32P0785	920,00	1,380.00

Description	E Pro 6216 / 6226	M Pro 6219	Z Pro 6221	Part Number	ESP (Excl. VAT) Euro	ESP (CHF) Incl VAT
Other						
External Multimode LVD/SE SCSI Terminator		✓	✓	00N7956	46,74	71.00
Tape Drives						
20/40GB DDS/4 4mm Internal Tape Drive		✓	✓	00N7991	762,00	1,120.00
20/40GB TR7 Internal IDE Tape Drive	✓	✓	✓	48P7042	501,00	734.00
Flat Panel Monitors						
Flat Panel Essential						
T541 15.0in Analogue TFT LCD (15.0in/380mm VIS) TCO-99 Stealth Black Colour Monitor	✓	✓	✓	T41ABxx	341,00	517.00
Flat Panel Performance						
T860 18.1in Hybrid TFT LCD (18.1in/460mm VIS) TCO-99 Stealth Black Colour Monitor	✓	✓	✓	T4HB0xx	1.250,00	1,840.00
T560 15.0" Hybrid TFT LCD (15.0"/380mm VIS) TCO-99 Stealth Black Colour Monitor	✓	✓	✓	T56HGxx	694,00	1,010.00
CRT Monitors						
CRT Essential						
G78 17" FLAT (16.0" VIS) 85KHz 0.25mm 1280x1024/75Hz TCO-99 NH Stealth Black Colour Monitor	✓	✓	✓	T274Axx	256,00	377.00
CRT Performance						
P97 19in FD Trinitron CRT (18.0in/456mm VIS) TCO-95 Stealth Black Colour Monitor	✓	✓	✓	T1U3Nxx	494,00	753.00
P77 17" FD Trinitron CRT (16.0"/407mm VIS) TCO-95 Stealth Black Colour Monitor	✓	✓	✓	T39U3XX	373,00	549.00
P275 21" FD Trinitron CRT (19.8"/503mm VIS) TCO-99 Stealth Black Colour Monitor	✓		✓	T52U3xx	991,00	1,460.00
Networking						
Adapters/Ethernet						
Netfinity 10/100 Ethernet Security Adapter 2			✓	06P3601	128,80	192.00
Intel Pro/100S Desktop Adapter	✓		✓	22P4501	71,00	106.00
Intel Pro/100S Low Profile Desktop Adapter	✓			22P4701	71,00	106.00
IBM 10/100 Dual Port Server Adapter			✓	22P4901	252,70	386.00
PRO/1000T Desktop Adapter by Intel + Software	✓	✓	✓	22P6501	124,00	183.00
PRO/1000T Low Profile Desktop Adapter by Intel + Software	✓			22P6601	124,00	183.00
NetXtreme 1000 SX Fibre Ethernet Adapter		✓	✓	22P7801	654,00	962.00
NetXtreme 1000 T Ethernet Adapter		✓		31P6301	159,00	231.00
Adapters/Token Ring						
16/4 Token-Ring Low Profile PCI Management Adapter	✓			07P2701	188,04	293.00
16/4 Token-Ring PCI Management Adapter	✓		✓	34L5001	166,30	266.00
High-Speed 100/16/4 Token-Ring PCI Management Adapter	✓	✓	✓	34L5201	213,04	332.00
Adapters/Wireless						
High Rate Wireless LAN PCI Adapter (Low Profile Enabled) + Software	✓	✓	✓	22P6901	190,00	279.00
Power						
Other						
American Power Conversion Smart-UPS 700	✓	✓	✓	SUP072Y	346,00	513.00
American Power Conversion Smart-UPS 1000	✓	✓	✓	SUP102Y	460,00	683.00
Accessories						
Keyboards						
Stealth Black Space Saver II Keyboard	✓			28L36yy	☎	☎
Stealth Black Wireless Keyboard and Mouse Kit	✓	✓	✓	22P51xx	52,00	77.00
Stealth Black TrackPoint USB Space Saver Keyboard	✓			22P51yy	☎	☎
104-Key Stealth Black Rapid Access III USB Keyboard with Hub - Arabic	✓	✓	✓	22P5205	☎	☎
Stealth Black Rapid Access III USB Keyboard with Hub	✓	✓	✓	22P5xxx	☎	☎
Stealth Black Preferred Pro Full-size PS/2 Keyboard		✓	✓	31P74xx	31,00	47.00
Pointing Devices						
IBM Sleek 2-Button Mouse - Stealth Black (PS/2)		✓	✓	28L3675	14,00	20.00
Optical 3-Button ScrollPoint Mouse (800dpi) PS/2 & USB		✓		31P7405	31,00	47.00
Optical 3-Button ScrollPoint Pro Mouse (800dpi) PS/2 & USB		✓		31P8700	35,00	52.00
Other						

Description	E Pro 6216 / 6226	M Pro 6219	Z Pro 6221	Part Number	ESP (Excl. VAT) Euro	ESP (CHF) Incl VAT
USB - Parallel Printer Cable	✓			19K4164	27,00	60.00
SpaceBall 3D Input Device	✓	✓	✓	33L3252	618,45	959.00

1. Memory should be installed in pairs for optimal performance

IBM @server xSeries & IntelliStation Configurators

The IBM Configuration and Options Guide (updated monthly) provides hardware compatibility for most currently marketed @server xSeries Servers and Options by IBM (OBI). It can be downloaded from ibm.com/pc/europe/configurators and viewed or printed using Adobe Acrobat Reader Version 3.0 (www.adobe.com/prodindex/acrobat/readstep.html) or later. This tool does not contain pricing.

The IBM @server xSeries servers and IntelliStation Sales Configuration Aid (updated every two weeks) gives full configuration and quote functionality for currently marketed systems and options. The tool is available in Lotus123 and Microsoft Excel formats from ibm.com/pc/europe/configurators. The Microsoft Excel version includes a Wizard interface for ease of use. Country selection of part numbers and prices is available within the tool.

The @server xSeries Rack Configurator (updated as required) is an application program that provides hardware compatibility with IBM NetBAY racks and rack-mountable systems and subsystems. It provides configuration assistance with power and I/O cabling, UPS sizing, rack component selection and positioning. It is recommended that all rack configurations be validated by utilizing this tool. It can be downloaded from ibm.com/pc/europe/configurators and is supported by Windows 3.1 or higher, Windows 95/NT or Win OS/2.

The ServerProven Compatibility Web site (updated monthly) is found at ibm.com/pc/us/compat and contains compatibility information on Options, servers and NOS as well as hot-plug, failover, clustering and other support. It is recommended that configurations derived from the Configuration tools be checked for the desired NOS support by accessing this Web site.

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IBM @server

xSeries delivers e-business on demand

Becoming an on-demand business is about finding new ways to grow, adapt and respond in a dynamic business environment while managing costs. To help you become an on demand business today and tomorrow, IBM continues to invest in innovation for true business advantage. By reducing both total costs and business risk, IBM can deliver superior value at competitive prices.

Industry-standard IBM eServer xSeries systems incorporate IBM technological innovations to help customers solve business problems, simplifying processes and reducing costs. IBM eServer xSeries delivers superior value at competitive prices for a wide range of servers, from entry file and print uni-processor versions, through to mission critical 32 processor solutions for CRM, ERP and database applications, all based on Intel processors.

IBM eServer xSeries is designed for the on-demand environment with servers that can grow and adapt along with your business. Based on industry-leading technology and the broadest support for open standards and middleware, it seamlessly integrates your computing environment with your business applications to create a highly secure, responsive and flexible enterprise. Breakthrough technologies for autonomic and grid computing allow IBM eServer xSeries to truly leverage your investments today, while bringing down your total cost of ownership, and delivered by a company you can trust with world-class services and support to bring everything together and help reduce your risk.

Integrated

- Exploiting many technologies developed from our mainframe and supercomputing operations, IBM eServer xSeries servers work seamlessly with the other eServer platforms, to exploit the best of each platform for optimum efficiency.
- IBM eServer BladeCenter is proof that IBM can provide true integration for customers, with a single platform able to accommodate the networking, storage and Intel and IBM Power-based server requirements for customers' infrastructures.
- In addition IBM provides the flexibility to add new function as and when required, by simply plugging in a new device. The system then dynamically provisions the device based upon pre-set criteria, so it can be rapidly up and running, and put to work.

Open

- Industry analysts and media confirm IBM's leadership in driving Linux development and deployment, complementing the broadest range of Linux servers in the world, from our superior IBM eServer BladeCenter, through to virtual servers on our planned 32 way x440 enterprise server.
- Also, in the spirit of greater openness, the IBM Director systems management suite is designed to manage clients and servers from other manufacturers, so is an ideal integration solution for disperate operations on multiple platforms, often the result of acquisions or mergers.

Virtualized

- Because of its outstanding scalability, the eServer x440 is an ideal solution for virtual servers. "Pay-as-you-grow" scalability allows you to start with a 4 processor system, and keep adding 4 processor units, to grow your system to 8, 12, and 16 way configurations, with further expansion right up to 32 way in the future.
- You only pay for what you need, and can grow as your business needs grow. And you can expect excellent performance, as the x440 has many leading benchmarks, including recent TPC-C results[1] for a 16 way x440 configuration.
- Underpinning this is IBM's award winning[2] systems management suite, IBM Director, working with enterprise tools such as Tivoli and others, to provide error discovery, remote provisioning and deployment, and workload management tools, to allow you to better manage your IT infrastructure effortlessly, with intelligent automation of many tasks and decisions for minimum intervention.

Autonomic

- IBM's award winning[2] systems management suite, IBM Director, delivers many of the functions to dynamically manage and adapt your operating environment seamlessly, and without the need for intervention.
- This, combined with imbedded technology such as Active Memory, Active PCI-X, and light path diagnostics, allows IBM Director to excel at managing both IBM hardware, and that of other manufacturers[2].
- These capabilities also mean that customers who require very high levels of availability can take advantage of IBM's 99.9% availability programme[3].
- In addition, with IBM eServer BladeCenter, it is possible to seamlessly deploy new resources on demand, with standby capacity only charged for when it is brought on line, providing levels of flexibility previously only attainable with mainframe operations.

1. The IBM press release for this benchmark is viewable at:: http://www916.ibm.com/press/prnews.nsf/jan/5DD73B735B32878C85256CFE005CE17D. Actual benchmark results can be viewed at www.tpc.org
2. See http://www.pcmag.com/article2/0,4149,525853,00.asp
3. http://www.pc.ibm.com/cgi-bin/global.cgi?country=emea&brand=xseries&url=/ww/eserver/xseries/999guarantee.html Terms and conditions apply

IBM @server xSeries Family

Highlights

With the accelerating pace of e-business, maintaining competitive edge has never been more challenging. IBM understands what it takes to stay ahead. By combining our leadership in hardware, software, services and financing with our expertise in the e-business environment we have created a new range of best-of-breed servers. Incorporating IBM's latest Enterprise X-Architecture and called the IBM ~ xSeries range, they are the perfect combination of application flexibility and innovative technology.

Hardware

Predictive Failure Analysis (PFA) - provides advanced notification of an impending failure so that corrective action may be taken to avoid unplanned downtime. IBM offers PFA on more components than any other server vendor.

Light Path Diagnostics - works in conjunction with PFA. Built-in LED indicators attached to individual components, as well as an external service panel, alert you to problems and their exact location, helping to expedite repairs and help minimise downtime.

IBM Advanced System Management (ASM) - processors enable remote management of xSeries systems and provide invaluable information about the server regardless of its operational status.

Software

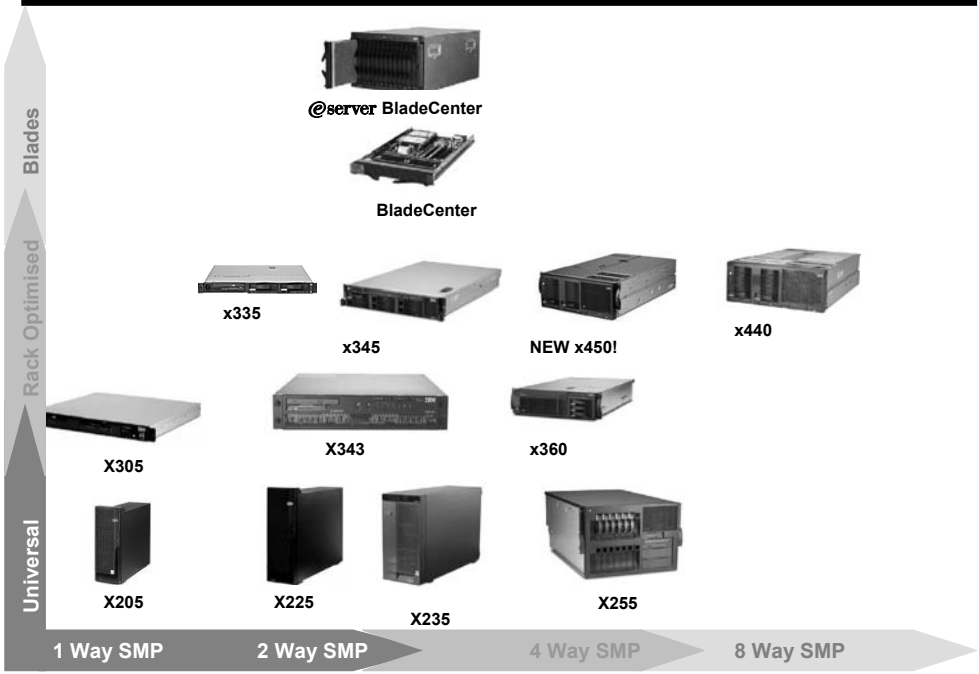
IBM Director - the core of xSeries virtual onsite management and comes standard with most xSeries servers. It unites a wealth of management tools in a simple graphical user interface for easy single-click and drag-and-drop commands.

Capacity Manager - a no-charge extension of IBM Director, tracks server resource utilisation and identifies multiple levels of existing or potential bottlenecks.

Software Rejuvenation - a no-charge extension of IBM Director, automatically schedules software resets and protects the server from an unplanned outage caused by ageing software.

Real Time Diagnostics - a no-charge extension of IBM Director, helps maintain server availability by performing diagnostics on system and subsystem components while your server is still running.
For further information on xSeries visit: ibm.com/pc/europe/xseries

IBM @server xSeries Family



IBM @server BladeCenter

Highlights

• The IBM eServer BladeCenter provides twice the density of 1U rack-optimised solutions, saving valuable floor space and helping lower your costs. You get more compute performance per square inch, and BladeCenter helps make centralising your network easy.

• Take advantage of its no single point of failure design. Included are the high availability midplane, a redundant and load-balanced power subsystem and hot-swap redundant cooling. Optional networking redundancy is provided for Fibre Channel and Ethernet.

• Included with your purchase, IBM Director 4.1, a powerful, highly integrated systems management software solution, can help reduce costs through functions which are designed to reduce downtime, increase productivity of IT personnel and end users, and reduce service and support costs. Customers use the same interface/tools to manage and deploy their blade systems, as well as their existing infrastructure, which is far easier then using separate sets of tools.

Specifications

Processor	See IBM BladeCenter HS20
Number of Processors (std/max)	See IBM BladeCenter HS20
Cache	See IBM BladeCenter HS20
Memory (std/max)	See IBM BladeCenter HS20
Hard Disk Drive	See IBM BladeCenter HS20
Hard Disk Drive Controller	See IBM BladeCenter HS20
Slots (Total/Available)	See IBM BladeCenter HS20
Bays	14 available Blades bays, 2 management module bays, 4 power supply module bays, 2 fan module bays, 4 switch module bays
Network Interface	Optional Gigabit Ethernet switches
Power Supply (std/max)	2 1200W/4 1200W
Cooling System	2 hot-swap high-efficiency blowers
Media Bays	1.44MB diskette drive 24X IDE CD-ROM
Keyboard/Pointing Device	No keyboard or mouse shipped with system unit
Dimensions (Length x Width x Height)	28.0 in x 17.5 in x 12.0 in
Operating Systems Supported	See IBM BladeCenter HS20
Software and Tools	See IBM BladeCenter HS20
Support	IBM HelpCenter, Optional 24x7x4 upgrade
Warranty	Three-year onsite limited warranty
Systems Management	Integrated System Management processor standard. Standard availability features include Automatic Server Restart, Wake on LAN, Predictive Failure Analysis (PFA) on processors, memory, hard disk drives and blowers; and error, temperature, voltage and blower speed monitoring. IBM Director software allows event management, file transfer, inventory, process and resource management. IBM Director is included with BladeCenter and each IBM eServer xSeries server. Additional licenses for IBM Director client and server are made available for charge. In addition, the optional IBM Director v4.1 Server Plus Pack, which is available separately, consists of five additional enhanced, powerful, comprehensive tools for advanced server management which are designed to help optimise performance and maximise availability. These tools, Capacity Manager, Software Rejuvenation, System Availability, Rack Manager and Active PCI Manager, are tightly integrated with IBM Director for consistent management from a single console. The IBM Director Server Plus Pack license(s) can be purchased as a single license or in quantities of 20, 50 and 100.

IBM BladeCenter HS20

Highlights

• Blades technology gives customers the ability to create solutions using BladeCenter components to optimize their application needs, helping customers purchase only the computing capacity they need.

• Customers will find the same high-performance processor technologies in the BladeCenter processor platform as in IBM 1U rack-optimised servers. High performance and scalability are powered by 2-way, SMP-capable Intel Xeon processors. Other high-performance features include high-speed 512MB Double Data Rate ECC SDRAM memory, featuring Chipkill memory for reliability, Dual Gigabit Ethernet controllers with teaming and failover support, integrated service processor and connectors for two IDE hard disk drives.

Specifications

Processor	Intel Xeon 2.6GHz, 2.8GHz/400MHz Intel Xeon 2.0GHz, 2.4GHz/400MHz
Number of Processors (Std/Max)	1/2
Cache	L2 512KB
Memory (Std/Max)	512MB/8GB (when 2GB DIMMs are available) PC 2100 ECC DDR Chipkill
Hard Disk Drive	None as standard/2 IDE HDDs or 2 hot-swap Ultra320 SCSI HDDs
Hard Disk Drive Controller	Integrated ATA-100 for IDE; SCSI via optional expansion unit, Ultra320 with integrated mirroring
Slots (Total/Available)	Ability to add one Blade server via I/O adapter
Bays (Total/Available/Maximum Storage)	See IBM eServer BladeCenter
Network Interface	Dual Gigabit Ethernet
Power Supply (Std/Max)	See IBM eServer BladeCenter
Cooling System	See IBM eServer BladeCenter
Media Bays	See IBM eServer BladeCenter
Keyboard/Pointing Device	No keyboard or mouse shipped with system unit
Dimensions (L x W x H with blade at 90degree angle)	17.11 in x 9.65 in x 1.14 in
Operating Systems Supported	Microsoft Windows 2000 Advanced Server,Microsoft Windows 2000 Server, Red Hat Advanced Server 2.1, Red Hat Linux 7.3, SuSE Professional 8.1, SuSE Professional 8.0
Software and Tools	IBM Director v4.1 and Remote Deployment Manager (separate purchase required)
Support	IBM HelpCenter, Optional 24x7x4 upgrade
Warranty	Three-year onsite limited warranty
Systems Management	Integrated System Management processor standard. Standard availability features include Automatic Server Restart, Wake on LAN, Predictive Failure Analysis (PFA) on processors, memory, hard disk drives and blowers; and error, temperature, voltage and blower speed monitoring. IBM Director software allows event management, file transfer, inventory, process and resource management. IBM Director is included with BladeCenter and each IBM eServer xSeries server. Additional licenses for IBM Director client and server for non-IBM hardware are made available for charge. In addition, the optional IBM Director v4.1 Server Plus Pack, which is available separately, consists of five powerful, comprehensive tools for advanced server management to help optimize performance and maximize availability. These tools, Capacity Manager, Software Rejuvenation, System Availability, Rack Manager and Active PCI Manager, are tightly integrated with IBM Director for consistent management from a single console. The IBM Director Server Plus Pack license(s) can be purchased as a single license or in quantities of 20, 50 and 100.

IBM BladeCenter HS20 Model Comparison

	Processor (MHz)	SMP processor: std./max.	L2 cache: std. (KB)	Memory: std./max. (MB/GB)	Bus	Hard disk drive: max. (GB)	Primary hard disk drive controller type	Part number	Model type	ESP (Excl. VAT) Euro	ESP (CHF) Incl VAT
	HS20										
WH	Xeon 2.40	1/2	512	512/4	PCI	146.8	EIDE	T841Xxx	8678-41X	1.930,00	2,880.00
	Xeon 2.60	1/2	512	512/8	PCI	146.8	EIDE	T851Xxx	8678-51X	2.090,00	☎
	Xeon 2.80	1/2	512	512/8	PCI	146.8	EIDE	T861Xxx	8678-61X	2.310,00	☎

Selected xSeries Accessories & Upgrades			
4-port Gigabit Ethernet Switch Module for BladeCenter	48P7054	2.650,00	3,870.00
2-port Fibre Channel Switch Module for BladeCenter	48P7062	27.950,00	40,910.00
1200 W Power Supply Modules for BladeCenter	48P7052	1.120,00	1,640.00
Acoustic Attenuation Module for BladeCenter	49P2694	224,00	328.00
2.0GHz 400MHz 512KB L2 Cache Xeon Processor	48P7060	483,00	724.00
2.4GHz 400MHz 512KB L2 Cache Xeon Processor	48P7096	551,00	826.00
HS20 40GB 5400-rpm ATA-100 HDD	48P7063	335,00	491.00
HS20 Fibre Channel Expansion Card	48P7061	1.630,00	2,380.00
HS20 SCSI Storage Expansion Unit	48P7058	447,00	655.00

WH = WorkHorse

For additional xSeries compatible options refer to xSeries Options table at the end of the xSeries section.

New levels of performance, value and availability for small to medium businesses

IBM @server xSeries 205

Highlights

• Easy to customise

The x205 provides choices to match your business needs such as the choice of Celeron or Pentium4 processors to help deliver a range of affordable performance; support for three fixed or hot-swap SCSI, or three fixed IDE hard disk drives to provide ample storage space; optional RAID to help provide increased performance and fault tolerance; five PCI slots to increase I/O bandwidth for improved performance and productivity; integrated Gigabit Ethernet for fast connectivity.

• Easy to manage

New Alert Standard Format firmware reports system status, even if the server has failed, while IBM Director software makes comprehensive systems management easy. The optional IBM Remote Supervisor Adapter monitors critical subsystems and is designed to increase system availability, with virtual control of the system around the clock. Together, these components help you control IT expenses by making the x205 simple to manage.

Specifications

Processor	Intel Celeron 1.8GHz/133MHz front-side bus or Intel Pentium 4 2.0GHz/400MHz, 2.4GHZ/533MHz, 2.67GHz/533MHz or 2.8GHz/533MHz front-side bus
Number of Processors (Std/Max)	1/1
Cache	512KB L2
Memory (Std/Max)	256MB/2.0GB PC2100
Hard Disk Drive Standard	40GB 7,200rpm EIDE
Hard Disk Drive Controller	Hot-swap or non-hot-swap SCSI or EIDE
Slots (Total/Available)	5/5 Slots 1-5: Full-length, 33MHz, 32-bit PCI
Bays (Total/Available/Maximum Storage)	7/4/360GB IDE or 587.2GB SCSI
Network Interface	Integrated 10/100/1000 Ethernet
Power Supply (Std/Max)	1 340W/1
Cooling System	Two fans
Media Bays	1.44MB diskette drive 48X-20X IDE Internal CD-ROM
Keyboard/Pointing Device	Tower: Basic 101-key and IBM Two-button mouse Rack: Optional
Ports	1 parallel, 2 serial, 2 USB
Dimensions (Length x Width x Height)	508mm (20in) x 165mm (6.5in) x 470mm (18.5in)
Operating Systems Supported	Windows 2000 Server/Advanced Server, Microsoft Windows NT 4.0, Linux (Red Hat and SuSE) and Novell NetWare
Software and Tools	IBM Director and ServerGuide, optional Remote Deployment Manager (separate purchase required)
Support	IBM HelpCenter, Optional 24x7x4 upgrade
Warranty	One-year onsite limited warranty
Systems Management	IBM Director, Diagnostic LEDs, Alert Standard Format and optional IBM Remote Supervisor Adapter

IBM @server xSeries 205 Model Comparison

	Processor (MHz)	SMP processor: std./max	L2 cache: std. (KB)	Memory: std./max. (MB/GB)	Bus	Hard disk drive Std: size/speed (rpm)	Hard disk drive: max. (GB)	Primary hard disk drive controller type	RAID Levels	Slots: total/available, Bays: total/available	Hot-Swap bays: std./available	Part number	Model type	ESP (Excl. VAT) Euro	ESP (CHF) Incl VAT
xSeries 205															
WH	P4 2.40	1/1	512	256/2	PCI	40GB/7.2K	240	EIDE	--	5/5	7/4	0/0	P033Xxx	8480-33X	1.340,00	1,950.00
WH	P4 2.40	1/1	512	256/2	PCI	--	220	Ultra160 SCSI	--	5/5	7/4	3/3	P03AXxx	8480-3AX	1.230,00	1,790.00
TS	P4 2.66	1/1	512	256/2	PCI	36.4GB/10K	293	Integrated Ultra160 SCSI	--	6/6	7/4	0	P042Gxx	8480-42X	1.320,00	1,960.00
	P4 2.66	1/1	512	256/2	PCI	40GB/7.2K	240	EIDE	--	6/6	7/4	0	P043Xxx	8480-43X	1.310,00	1,910.00
	P4 2.66	1/1	512	256/2	PCI	--	220	Integrated Ultra160 SCSI	--	6/6	7/5	3	P04AXxx	8480-4AX	1.290,00	1,880.00
TS	P4 2.80	1/1	512	256/2	PCI	36.4GB/10K	293	Integrated Ultra160 SCSI	--	6/6	7/4	0	P052Gxx	8480-52X	1.890,00	2,750.00
	P4 2.80	1/1	512	256/2	PCI	40GB/7.2K	240	EIDE	--	6/6	7/4	0	P053Xxx	8480-53X	1.450,00	2,130.00
	P4 2.80	1/1	512	256/2	PCI	--	220	Integrated Ultra160 SCSI	--	6/6	7/5	3	P05AXxx	8480-5AX	1.430,00	2,100.00

Selected xSeries Accessories & Upgrades			
256MB PC2100 CL2.5 ECC DDR SDRAM UDIMM	10K0067	115,00	173.00
512MB PC2100 CL2.5 ECC DDR SDRAM UDIMM	10K0069	288,00	432.00
40GB ATA/100 EIDE SL Hard Disk Drive (7200rpm)	22P7157	176,00	258.00
60GB ATA/100 EIDE SL Hard Disk Drive (7200rpm)	09N4207	202,00	295.00
80GB ATA/100 EIDE SL Hard Disk Drive (7200rpm)	09N4226	196,00	289.00
36.4GB 10K Ultra160 SCSI SL HDD	06P5751	311,00	466.00
73.4GB 10K Ultra160 SCSI SL HDD	06P5752	506,00	760.00
18.2GB 10K Ultra160 SCSI Hot-Swap SL HDD	06P5754	324,00	471.00
36.4GB 10K Ultra160 SCSI Hot-Swap SL HDD	06P5755	311,00	466.00
73.4GB 10K Ultra160 SCSI Hot Swap SL HDD	06P5756	506,00	760.00
18.2GB 15K rpm Ultra 160 SCSI SL HDD	06P5765	299,00	438.00
36.4GB 15K rpm Ultra 160 SCSI SL HDD	06P5766	483,00	724.00
ServeRAID-4Lx Ultra160 SCSI Controller	06P5740	461,00	678.00
20/40GB TR7 Internal IDE Tape Drive	48P7042	501,00	734.00
100/200GB LTO Half-High Tape Drive	24P2396	3.860,00	5,730.00
20/40GB DDS/4 4mm Internal Tape Drive	00N7991	762,00	1,120.00
40/80GB Half-High DLTVS Internal SCSI Tape Drive	24P2398	1.730,00	2,550.00
American Power Conversion Smart-UPS 700	SUP072Y	346,00	513.00

TS = TopSeller WH = Workhorse

For additional xSeries compatible options refer to xSeries Options table at the end of the xSeries section.

New levels of performance, value and availability for small to medium businesses

IBM @server xSeries 205VL

Highlights

• The x205VL is a flexible, small-business entry server designed with features intended specifically for cost-conscious, small and medium businesses. It combines leading industry-standard technologies, excellent internal data storage capacity, ease of use and basic systems management and control features. Attractively priced, this uni-processor server provides solid performance to support general-purpose network or Web-serving applications.

• Providing features such as Automatic Server Restart and Alert Standard Format, the x205VL provides alerting and manageability features not previously available to our value tower customers. Taking advantage of remote systems management capabilities for your small to medium business, the x205VL supports the IBM Remote Supervisor Adapter. This provides you with proactive monitoring and management of your IT - ideal tool for your small business or workgroup.

Specifications

Processor	Intel Celeron 1.8GHz/100MHz
Number of Processors (std/max)	1/1
Cache	L2 512KB
Memory (std/max)	256MB/2.0GB PC2100 CL2.5 ECC DDR UDIMM
Hard Disk Drive	40GB EIDE or 18.2GB 10,000rpm non-hot-swap SCSI Open Bay or hot-swap SCSI
Hard Disk Drive Controller	EIDE or Ultra160 SCSI
Slots (Total/Available)	5/5: Slots 1-5: Full-length, 33MHz, 32-bit PCI
Bays (Total/Available/Maximum Storage)	7/4/240GB IDE
Network Interface	10/100 Ethernet
Power Supply (std/max)	1 340W/1
Cooling System	Two fans
Media Bays	1.44MB diskette drive 48X-20X IDE Internal CD-ROM
Keyboard/Pointing Device	Tower: Basic 101-key and IBM Two-button mouse Rack: Optional
Ports	1 parallel, 2 serial, 2 rear USB, 1 Ethernet, 1 keyboard and 1 mouse
Dimensions (Length x Width x Height)	20in x 6.5in x 18.5in
Operating Systems Supported	Windows 2000 Server, Windows 2000 Advanced Server, Windows Small Business Server, Novell NetWare 6.0, Red Hat Linux 7.3, SuSE Linux 8.0, IBM 4690
Software and Tools	IBM Director and ServerGuide
Support	IBM HelpCenter, Optional 24x7x4 upgrade
Warranty	One-year onsite limited warranty
Systems Management	Alert Standard Format, Automatic Server Restart, Wake on LAN and Alert on LAN2

NOTES

Performance-balanced server combining capability, reliability and price

IBM @server xSeries 225

Highlights

• Availability improving features

Redundant hot-swap technology lets you replace HDDs and power supplies without powering down the system. Integrated RAID-1 and the optional ServeRAID-5i Controller help improve disk I/O integrity. Extensive ServerProven testing gives you a choice of optimised software applications, hardware and network operating systems.

• IBM Director and Remote Deployment Manager software provide robust network management for distributed environments and can help reduce IT support costs for remote offices. In addition, the optional IBM Remote Supervisor Adapter gives you access to online support 24x7 (response times may vary) from virtually any location.

Specifications	
Processor	Intel Xeon 2.8GHz/533MHz, Intel Xeon 2.67GHz/5333MHz, Intel Xeon 2.4GHz/533MHz, Intel Xeon 2.0GHz/400MHz
Number of Processors (Std/Max)	1/2
Cache	L2 512KB
Memory (Standard/Maximum)	512MB/8GB PC 2100 DDR Chipkill
Hard Disk Drive (Standard)	146.8GB 10,000rpm Ultra320 SCSI
Hard Disk Drive Controller	Integrated Dual Ultra320 SCSI
Slots (Total/Available)	5/5 Slots 1-4: Full-length, 100MHz, 64-bit PCI Slot 5: Full-length, 33MHz, 32-bit PCI
Bays (Total/Available/Maximum Storage)	Non-hot swap 7/4/587.2GB Ultra320 SCSI. Hot-swap 9/7/880.8GB Ultra320 SCSI
Network Interface	Integrated 10/100/1000 Ethernet
Power Supply (Std/Max)	1 425W or 2 350W hot-swap
Cooling System	Five fans in non-redundant power models Six fans in redundant power models
Media Bays	1.44MB diskette drive 48X IDE Internal CD-ROM
Keyboard/Pointing Device	Tower: Basic 101-key and IBM Two-button mouse included Rack: Optional
Ports	1 parallel, 2 serial, 4 USB
Dimensions (Length x Width x Height)	660mm (26in) x 165mm (6.5in) x 467.4mm (18.4in)
Operating Systems Supported	Windows 2000 Server, Windows 2000 Advanced Server, Novell NetWare, Red Hat Linux Advanced Server 2.1 and Red Hat Linux Professional 7.2 and 7.3 and SuSE Linux Professional 8.0
Software and Tools	IBM Director and ServerGuide, optional Remote Deployment Manager (separate purchase required)
Support	IBM HelpCenter, Optional 24 x 7 x 4 upgrade, Optional 24 x 7 x 2 upgrade, Optional 9 x 5 x 4 upgrade
Warranty	1-year onsite limited warranty
Systems Management	IBM Director, Diagnostic LEDs, Alert Standard Format, Automatic Server Restart and optional support for the Remote Supervisor Adapter

IBM @server xSeries 225 Model Comparison

	Processor (MHz)	SMP processor: std./max.	L2 cache: std. (KB)	Memory: std./max. (MB/GB)	Bus	Hard disk drive Std: size/speed (rpm)	Hard disk drive: max. (GB)	RAID Levels	Slots: total/available.	Bays: total/available	Hot-Swap bays: std./available	Part number	Model type	ESP (Excl. VAT)	ESP (CHF) Incl VAT
	xSeries 225														
WH	Xeon 2.4	1/2	512	512/8	PCI	--	880.8	1	5/5	9/7	5/5	P73AXxx	8647-3AX	1.580,00	2,310.00
	Xeon 2.4	1/2	512	512/8	PCI	--	880.8	1	5/5	9/7	5/5	P73BXxx	8647-3BX	1.880,00	2,750.00
TS	Xeon 2.6	1/2	512	256/4	PCI	36.4GB/10K	587.2	1	6/6	7/4	0	P742Gxx	8647-42G	1.640,00	2,450.00
	Xeon 2.6	1/2	512	512/4	PCI	--	880.8	1	6/6	9/7	5	P74AXxx	8647-4AX	1.710,00	2,510.00
	Xeon 2.6	1/2	512	512/4	PCI	--	880.8	1	6/6	9/7	6	P74BXxx	8647-4BX	1.990,00	2,910.00
TS	Xeon 2.6	1/2	512	512/4	PCI	3x36.4GB, 10K	880.8	1	6/6	9/7	5	P74CGxx	8647-4CG	2.130,00	3,180.00
TS	Xeon 2.8	1/2	512	256/4		36.4GB/10K	587.2	1	6/6	7/4	0	P752Gxx	8647-52G	folgt	☎
	Xeon 2.8	1/2	512	256/4	PCI	36.4GB/10K	587.2	1	6/6	7/4	0	P752Xxx	8647-52X	2.050,00	3,000.00
	Xeon 2.8	1/2	512	512/4	PCI	--	880.8	1	6/6	9/7	6	P75BXxx	8647-5BX	2.190,00	3,210.00
TS	Xeon 2.8	1/2	512	512/4	PCI	3x36.4GB, 10K	880.8	1	6/6	9/7	5	P75CGxx	8647-5CG	folgt	☎

Selected xSeries Accessories & Upgrades			
2.0GHz 400MHz 512KB L2 Cache Xeon Processor	59P5112	483,00	724.00
2.4GHz 533MHz 512KB L2 Cache Xeon Processor	59P5108	519,00	763.00
2GB PC2100 CL2.5 ECC DDR SDRAM RDIMM {512Mb}	33L5040	2.300,00	3,450.00
4U Extended Depth Tower to Rack Conversion Kit	59P4817	534,00	782.00
256MB PC2100 CL2.5 ECC DDR SDRAM RDIMM	33L5037	115,00	173.00
512MB PC2100 CL2.5 ECC DDR SDRAM RDIMM	33L5038	288,00	432.00
1GB PC2100 CL2.5 ECC DDR SDRAM RDIMM	33L5039	748,00	1,120.00
18.2GB 10K Ultra160 SCSI Hot-Swap SL HDD	06P5754	324,00	471.00
73.4GB 10K Ultra160 SCSI SL HDD	06P5752	506,00	760.00
18.2GB 15K rpm Ultra 160 SCSI SL HDD	06P5765	299,00	438.00
36.4GB 15K rpm Ultra 160 SCSI SL HDD	06P5766	483,00	724.00
18.2GB 15K rpm Ultra 160 SCSI Hot-Swap SL HDD	06P5767	368,00	553.00
xSeries 2.67 GHz 533 MHz 512KB L2 Cache Upgrade with Xeon Processor	24P7861	666,00	999.00
xSeries 2.8 GHz 533 MHz 512KB L2 Cache Upgrade with Xeon Processor	24P8054	1.020,00	1,520.00

TS = TopSeller WH= Workhorse

For additional xSeries compatible options refer to xSeries Options table at the end of the xSeries section.

Highly expandable and manageable 2 -way server with new levels of throughput and performance

IBM @server xSeries 235

Highlights

• Superior performance

The x235 delivers performance with Intel Xeon processors at 533MHz front-side bus speed and up to 12GB of DDR memory. Together these components deliver the superior power needed for businesses with branch or remote locations.

• Expandability is key for distributed environments, the x235 caters for up to nine hot-swap Ultra320 hard disk drives for data storage; a high capacity tape drive for backup of business-critical data; six PCI slots, including five PCI-X for flexibility and investment protection; six memory DIMM slots for expandability.

• The x235 delivers high availability to a distributed office environment. Features such as hot-swap, redundant power and cooling, integrated hard disk drive mirroring and Active PCI-X slots help ensure server availability and data protection. Standard xSeries system management tools such as IBM Director help to keep your system up and running. Remote access can be provided by the optional Remote Supervisor Adapter, providing access and control of servers even when they're unresponsive.

Specifications	
Processor	Intel Xeon up to 3.06GHz/533MHz front-side bus speed
Number of Processors (Std/Max)	1/2
Cache	L2 512KB
Memory (Std/Max)	512MB/12GB PC2100 DDR Chipkill
Hard Disk Drive	Open Bay
Hard Disk Drive Controller	Dual Channel Ultra320 SCSI RAID-1 integrated, RAID-5 optional
Slots (Total/Available)	6/6 Slots 1-2: full-size, 64-bit Active PCI-X Slots 3-5: full-size, 64-bit PCI-X Slot 6: full-size, 32-bit PCI
Bays (Total/Available/Maximum Storage)	11/9/1.3TB
Network Interface	Integrated 10/100/1000 Ethernet
Power Supply (Std/Max)	1 or 2 660W redundant and hot-swappable (select models)/2
Cooling System	6 fans redundant and hot-swappable
Media Bays	1.44MB diskette drive 48X IDE Internal CD-ROM
Keyboard/Pointing Device	Tower: Basic 101-key and IBM Two-button mouse
Ports	2 serial, 3 USB, 1 Ethernet, 2 systems management (RS485), 1 video, 1 keyboard, 1 mouse (x235 with 533MHz front-side bus speed) 1 serial, 3 USB, 1 Ethernet, 2 systems management (RS485), 1 video, 1 keyboard, 1 mouse (x235 with 400MHz front-side bus speed)
Dimensions (Length x Width x Height)	Tower: 27.5 in x 8.7 in x 17.3 in. Rack: 26.5 in x 17.3 in x 8.6 in
Operating Systems Supported	Microsoft Windows 2000/Advanced Server, Linux (Red Hat and SuSE) Novell NetWare 6.0 and OS/2
Support	IBM HelpCenter, Optional 24x7x4 upgrade
Warranty	Three-year onsite limited warranty
Systems Management	Automatic Server Restart (ASR), ServerGuide, IBM Director, Integrated System Management processor (supports optional IBM Remote Supervisor Adapter for additional functionality), optional Remote Deployment Manager (separate purchase required), Light Path Diagnostics providing an LED map to a failing component, Predictive Failure Analysis (PFA) on hard disk drives, processors, VRMs, fans and memory.

IBM @server xSeries 235 Model Comparison

	Processor (MHz)	SMP processor: std./max L2 cache: std. (KB)	Memory: std./max. (MB/GB)	Hard disk drive: max. (GB)	RAID Levels	Slots: total/available	Bays: total/available	Hot-Swap bays: std./available	Part number	Model type	ESP (Excl. VAT)	ESP (CHF) Incl VAT
	xSeries 235											
	Xeon 2.00	1/2 512	512/12288	1314	1	6/6	10/8	6/3	P12AXxx	8671-2AX	2.650,00	3,880.00
	Xeon 2.20	1/2 512	512/12288	1314	1	6/6	10/8	6/3	P13AXxx	8671-3AX	4.390,00	6,470.00
WH	Xeon 2.40	1/2 512	256/12288	1314	1	6/6	10/8	6/3	K141Xxx	8671-41X	2.320,00	3,400.00
WH	Xeon 2.40	1/2 512	512/12288	1314	1	6/6	10/8	6/3	K14AXxx	8671-4AX	2.750,00	4,030.00
	Xeon 2.66	1/2 512	512/12288	1314	1	6/6	10/8	6/3	K161Xxx	8671-61X	2.560,00	3,820.00
	Xeon 2.66	1/2 512	512/12288	1314	1	6/6	10/8	6/3	K16AXxx	8671-6AX	2.980,00	4,450.00
TS	Xeon 2.66	1/2 512	512/12288	1314	0,1,6/5		10/5	6/3	K16BGxx	8671-6BX	3.300,00	4,940.00
	Xeon 2.80	1/2 512	512/12288	1314	1	6/6	10/8	6/3	K171Xxx	8671-71X	2.760,00	4,130.00
	Xeon 2.80	1/2 512	512/12288	1314	1	6/6	10/8	6/3	K17AXxx	8671-7AX	3.190,00	4,760.00
TS	Xeon DP 2.80	1/2 512	512/12288	1314	0,1,6/5		10/5	6/3	K17BGxx	8671-7BX	3.520,00	5,260.00
WH	Xeon 3.06	1/2 512	512/12	1314	1	6/6	10/8	6/3	K181Xxx	8671-81X	3.060,00	4,580.00
WH	Xeon 3.06	1/2 512	512/12	1314	1	6/6	10/8	6/3	K18AXxx	8671-8AX	3.400,00	5,080.00

Selected xSeries Accessories & Upgrades			
1.8GHz 400MHz 512KB L2 Cache Xeon Processor	19K4642	460,00	689.00
2.0GHz 400MHz 512KB L2 Cache Xeon Processor	33P2931	483,00	724.00
2.2GHz 400MHz 512KB L2 Cache Xeon Processor	33P2932	645,00	947.00
128MB PC2100 CL2.5 ECC DDR SDRAM RDIMM {128Mb}	33L5036	75,00	112.00
256MB PC2100 CL2.5 ECC DDR SDRAM RDIMM	33L5037	115,00	173.00
512MB PC2100 CL2.5 ECC DDR SDRAM RDIMM	33L5038	288,00	432.00
18.2GB 10K Ultra160 SCSI Hot-Swap SL HDD	06P5754	324,00	471.00
36.4GB 10K Ultra160 SCSI Hot-Swap SL HDD	06P5755	311,00	466.00
73.4GB 10K Ultra160 SCSI Hot Swap SL HDD	06P5756	506,00	760.00
ServeRAID-4Lx Ultra160 SCSI Controller	06P5740	461,00	678.00
ServeRAID-4Mx Ultra160 SCSI Controller	06P5736	1.270,00	1,870.00
40/80GB DLT Internal SCSI Tape Drive (Stealth black)	00N7990	2.660,00	3,880.00
20/40GB DDS/4 4mm Internal Tape Drive	00N7991	762,00	1,120.00
120/240GB Internal DDS/4 4mm Tape Autoloader	00N7992	2.120,00	3,140.00
NetBAY25 Rack Cabinet	9306250	1.611,34	2,460.00
NetBAY42 Enterprise Rack (ER) Cabinet	930842S	3.570,48	5,470.00
American Power Conversion Smart-UPS 1000	SUP102Y	460,00	683.00
Upgrade Xeon Processor 2.67 GHz/533 MHz-512 KB L2	71P8966	666,00	999.00
Upgrade Xeon Processor 2.8 GHz/533 MHz-512 KB L2	71P8967	1.020,00	1,520.00

TS = TopSeller WH = Workhorse

For additional xSeries compatible options refer to xSeries Options table at the end of the xSeries section.

Affordable 4-way server with the power for high traffic business critical applications

IBM @server xSeries 255

Highlights

• Optimised for internal expansion and scalability, the x255 serves your business needs - from file-and-print and e-mail serving to data warehousing and transaction processing. The x255 is the comprehensive server/storage solution with 4-way Intel Xeon Processor MP capability, support for up to 880GB of internal storage capacity, up to 12GB of memory and room for multiple internal tape drives to back up and protect your crucial data.

• High traffic database applications and file-and-print servers require maximum uptime. The x255 is loaded with standard Enterprise X-Architecture high-availability features - like Active PCI-X for hot swapping adapters and redundant power/fans - designed to keep your server up and running.

• The award-winning Remote Supervisor Adapter and IBM Director software are designed to simplify and automate preventive and routine maintenance - in or out of band - to keep you running at peak efficiency while helping to minimise your total cost of ownership.

Specifications

Processor	Intel Xeon Processor MP 2.0GHz, 1.9GHz, 1.6GHz, 1.5GHz or 1.4GHz/400MHz
Number of Processors (std/max)	1/4
Cache	L3 512KB, 1MB or 2MB
Memory (std/max)	512MB or 1GB/12GB Chipkill ECC DDR
Hard Disk Drive	Open Bay
Hard Disk Drive Controller	Dual Channel Ultra160 SCSI
Slots (Total/Available)	7/7: Slots 1-6: full-size 64-bit Active PCI-X, Slot 7: full-size 32-bit/33MHz PCI
Bays (Total/Available/Maximum Storage)	16/14/880.8GB (with 6 pack hot-swap hard drive kit)
Network Interface	Integrated 10/100/1000 Ethernet
Power Supply (std/max)	2 370W hot-swappable/4
Cooling System	9 hot-swappable and redundant fans, plus 1 fan per power supply
Media Bays	1.44MB diskette drive 48X-20X Internal CD-ROM
Keyboard/Pointing Device	Tower: Basic 101-key and IBM Two-button mouse Rack: Optional
Ports	1 serial, 1 Ethernet, 2 systems management (RS485), 4 USB, 1 video, 1 mouse, 1 keyboard
Dimensions (Length x Width x Height)	Tower: 19.0 in x 14.0 in x 27.6 in. Rack: 17.3 in x 12.3 in x 25.6 in
Operating Systems Supported	Microsoft Windows 2000 Server/Advanced Server, Microsoft Windows NT 4.0 Server, Novell NetWare, Linux (Red Hat, Caldera, SuSE, TurboLinux)
Software and Tools	IBM ServerGuide, IBM Director
Warranty	Three-year onsite limited warranty
Support	IBM HelpCenter, Optional 24 x 7 x 4 upgrade, Optional 24 x 7 x 2 upgrade, Optional 9 x 5 x 4 upgrade
System Management	Alert Standard Format (ASF), Automatic Server Restart, Wake on LAN, IBM Director software which allows event management, file transfer, inventory, process and resource management and IBM Director Extensions (including as Capacity Manager, Cluster Systems Management, RAID Manager, Rack Manager, Software Rejuvenation and System Availability), Integrated System Management processor (supports optional IBM Remote Supervisor Adapter for additional functionality), Light Path Diagnostics providing an LED map to a failing component, Predictive Failure Analysis (PFA) on hard disk drives, processors, fans, voltage regulator modules, power supplies and memory

IBM @server xSeries 255 Model Comparison

	Processor (MHz)	Form Factor	SMP processor: std./max Memory: std./max. (MB/GB)	Bus	Slots: total/available	Bays: total/available	Hot-Swap bays: std./available	Part number	Model type	ESP (Excl. VAT)	ESP (CHF) Incl VAT
	xSeries 255										
WH	Xeon MP 1.50	Rack	1/4 512/12288	PCI	7/7	16/14	6/6	K54RXxx	8685-4RX	5.750,00	8,440.00
	Xeon MP 1.50	Tower	2/4 1/12288	PCI	7/6	16/11	6/6	P541Gxx	8685-41G	☎	☎
WH	Xeon MP 1.50	Tower	1/4 512/12288	PCI	7/7	16/14	6/6	P541Xxx	8685-41X	5.750,00	8,440.00
	Xeon MP 1.90	Rack	1/4 1/12288	PCI	7/7	16/14	6/6	K55RXxx	8685-5RX	7.260,00	10,650.00
	Xeon MP 1.90	Tower	1/4 1/12288	PCI	7/7	16/14	6/6	P551Xxx	8685-51X	7.260,00	10,650.00
	Xeon MP 2.00	Rack	1/4 1/12288	PCI	7/7	16/14	6/6	K56RXxx	8685-6RX	10.230,00	15,030.00
	Xeon MP 2.00	Tower	1/4 1/12288	PCI	7/7	16/14	6/6	P561Xxx	8685-61X	10.230,00	15,030.00

Selected xSeries Accessories & Upgrades			
1.5GHz 400MHz 512KB L3 Cache Xeon Processor	59P5106	4.600,00	6,900.00
1.6GHz 400MHz 1MB L3 Cache Xeon Processor	59P5107	8.280,00	12,420.00
512MB PC1600 CL2 ECC DDR SDRAM RDIMM	33L3283	277,00	406.00
1GB PC1600 CL2 ECC DDR SDRAM RDIMM	33L3285	748,00	1,120.00
36.4GB 10K Ultra160 SCSI Hot-Swap SL HDD	06P5755	311,00	466.00
73.4GB 10K Ultra160 SCSI Hot Swap SL HDD	06P5756	506,00	760.00
ServeRAID-4Mx Ultra160 SCSI Controller	06P5736	1.270,00	1,870.00
FAStT500 Host Adapter	00N6881	1.020,00	1,500.00
20/40GB DDS/4 4mm Internal Tape Drive	00N7991	762,00	1,120.00
NetBAY42 Enterprise Expansion Rack (EX) Cabinet	930842E	3.431,90	5,250.00
NetBAY42 Standard Rack Cabinet	9306420	2.122,18	3,240.00
NetBAY42 Standard Rack Expansion Cabinet	9306421	1.978,16	3,020.00

TS = TopSeller WH = Workhorse

For additional xSeries compatible options refer to xSeries Options table at the end of the xSeries section.

High performance, low cost and ultradense for front end Web infrastructures

IBM @server xSeries 305

Highlights

•Highly affordable

The x305 packs a cost-efficient, edge-of-network solution in a 1U, 16.75-inch deep form factor. The x305 offers a range of Intel Pentium 4 processors with high-performance 533MHz front-side bus speed and up to 4GB of DDR memory, allowing you to help manage expenses or optimise performance.

•Streamlined manageability

The x305 takes advantage of innovative cable management, IBM Advanced Connectivity Technology (ACT), to reduce cabling expense and rack clutter. A new slide-mounting design also simplifies deployment and service. IBM Director and Remote Deployment Manager software help take the hassle out of systems management and deployment. For remote management, the optional Remote Supervisor Adapter lets you remotely manage the x305 from virtually any connected location. Together, these components help ease the burden on your IT staff and help you increase productivity.

•Flexible designs. The x305 can help match your needs with: support for two IDE or SCSI hard disk drives to meet your budget and performance needs; two 64-bit/133MHz slots for fast I/O performance and flexibility; integrated dual Gigabit Ethernet for high-speed network access.

Specifications

Processor	Intel Pentium 4 up to 2.8GHz/533MHz front-side bus
Number of Processors (Std/Max)	1/1
Cache	L2 512KB
Memory (Std/Max)	256MB/4GB PC2100 ECC DDR SDRAM
Hard Disk Drive	SCSI models: 18.2 GB, 36.4 GB or 73.4G (10,000 rpm) EIDE models:40 GB, 60 GB, 80 GB or 120 GB (7200 rpm)
Hard Disk Drive Controller	IDE or Ultra160 SCSI
Slots (Total/Available)	2/2 Slot 1: Half-length, 100MHz/133MHz, 64-bit PCI-X Slot 2: Low-profile, 100MHz/133MHz, 64-bit PCI-X
Bays (Total/Available/Maximum Storage)	4/1/293.6GB SCSI, 240GB IDE
Network Interface	Dual integrated 10/100/1000 Ethernet
Power Supply (Std/Max)	1 220W/1
Cooling System	4 fans plus one blower
Media Bays	3.5MB diskette drive 24X EIDE Internal CD-ROM
Keyboard/Pointing Device	Not included with server
Ports	1 serial, 2 USB, 2 Ethernet, 1 keyboard, 1 video and 1 mouse
Dimensions (Length x Width x Height)	Rack: 16.75in x 17.3in x 1.72in
Operating Systems Supported	Microsoft Windows Server 2003, Microsoft Windows 2000/Advanced Server, Red Hat Linux and SuSE Linux and Novell NetWare
Software and Tools	IBM Director
Support	IBM HelpCenter, Optional 90-day support available and warranty upgrades
Warranty	One-year onsite limited warranty
Systems Management	Automatic Server Restart, Alert Standard Format, ServerGuide, IBM Director, optional Remote Deployment Manager and support for the optional IBM Remote Supervisor Adapter for remote management capabilities

IBM @server xSeries 305 Model Comparison

	Processor (MHz)	L2 cache: std. (KB)	Memory: std./max. (MB/GB)	Hard disk drive Std: size/speed (rpm)	Hard disk drive: max. (GB)	Primary hard disk drive controller type	RAID Levels	Slots: total/available	Bays: total/available	Part number	Model type	ESP (Excl. VAT) Euro	ESP (CHF) Incl VAT
xSeries 305													
	P4 2.40	512	256/4, 266MHz	40GB/7.2K	240	EIDE	--	2/2	4/1	K342Xxx	8673-42X	1.600,00	2,350.00
	P4 2.40	512	256/4, 266MHz	18.2GB/10K	146	Ultra 160 SCSI	--	2/1	4/1	K343Xxx	8673-43X	1.940,00	2,840.00
	P4 2.66	512	256/4, 266MHz	40GB/7.2K	240	EIDE	--	2/2	4/1	K362Xxx	8673-62X	1.730,00	2,580.00
WH	P4 2.66	512	256/4, 266MHz	18.2GB/10K	146	Ultra 160 SCSI	--	2/1	4/1	K363Xxx	8673-63X	2.030,00	3,030.00
WH	P4 2.80	512	256/4, 266MHz	18.2GB/10K	146	Ultra 160 SCSI	--	2/1	4/1	K373Xxx	8673-73X	2.130,00	3,190.00

Selected xSeries Accessories & Upgrades			
256MB PC2100 CL2.5 ECC DDR SDRAM RDIMM	33L5037	115,00	173.00
512MB PC2100 CL2.5 ECC DDR SDRAM RDIMM	33L5038	288,00	432.00
1GB PC2100 CL2.5 ECC DDR SDRAM RDIMM	33L5039	748,00	1,120.00
40GB ATA/100 EIDE SL Hard Disk Drive (7200rpm)	22P7157	176,00	258.00
60GB ATA/100 EIDE SL Hard Disk Drive (7200rpm)	09N4207	202,00	295.00
80GB ATA/100 EIDE SL Hard Disk Drive (7200rpm)	09N4226	196,00	289.00
120GB ATA/100 EIDE SL Hard Disk Drive (7200rpm)	09N4231	231,00	339.00
18.2GB 10K Ultra160 SCSI SL HDD	06P5750	250,00	365.00
36.4GB 10K Ultra160 SCSI SL HDD	06P5751	311,00	466.00
73.4GB 10K Ultra160 SCSI SL HDD	06P5752	506,00	760.00
18.2GB 15K rpm Ultra 160 SCSI SL HDD	06P5765	299,00	438.00
36.4GB 15K rpm Ultra 160 SCSI SL HDD	06P5766	483,00	724.00
ServeRAID-4Mx Ultra160 SCSI Controller	06P5736	1.270,00	1,870.00
ServeRAID-4Lx Ultra160 SCSI Controller	06P5740	461,00	678.00
FAStT500 Host Adapter	00N6881	1.020,00	1,500.00
2U SDLT Rack Autoloader	49P3240	13.340,00	19,420.00
NetBAY25 Rack Cabinet	9306250	1.611,34	2,460.00
NetBAY42 Enterprise Rack (ER) Cabinet	930842S	3.570,48	5,470.00
NetBAY42 Enterprise Expansion Rack (EX) Cabinet	930842E	3.431,90	5,250.00
NetBAY42 Standard Rack Cabinet	9306420	2.122,18	3,240.00
NetBAY42 Standard Rack Expansion Cabinet	9306421	1.978,16	3,020.00

TS = TopSeller WH = Workhorse

For additional xSeries compatible options refer to xSeries Options table at the end of the xSeries section.

Ultra-thin, rack-optimised and ready to handle compute-intensive, Web-based or enterprise network applications

IBM @server xSeries 335

Highlights

•The x335 is designed to deliver the robust availability features that keep your server up and running.

Help increase uptime for critical applications with integrated hard disk drive mirroring for data protection; Light Path Diagnostics to help identify problem components; and Predictive Failure Analysis on memory, processors, hard disk drives, fans, VRMs and the power supply.

•Superior manageability - powerful tools including IBM Director software, simplify system deployment and management, helping to conserve valuable resources. Remote Deployment Manager (available separately) helps simplify server installation and save time and money by remotely deploying hundreds of servers from a single location. IBM Cable Chaining Technology simplifies cabling and helps reduce behind-the-rack clutter.

Specifications	
Processor	Intel Xeon up to 3.06GHz/533MHz
Number of Processors (Std/Max)	1/2
Cache	L2 512KB
Memory (Std/Max)	512MB/8GB PC2100 ECC DDR Chipkill
Hard Disk Drive	2 hot-swap Ultra320 SCSI HDDs or 2 EIDE HDDs
Hard Disk Drive Controller	Ultra320 SCSI Controller
Slots (Total/Available)	2/2 Slot 1: 64-bit 100MHz PCI-X full-length Slot 2: 64-bit 100MHz PCI-X half-length
Bays (Total/Available/Maximum Storage)	4/2/293.6GB Ultra320 SCSI or 240GB IDE
Network Interface	Dual integrated 10/100/1000 Ethernet
Power Supply (Std/Max)	1 332W/1
Cooling System	8 system fans for ultraefficient vector cooling
Media Bays	1.44MB diskette drive 24X IDE Internal CD-ROM
Keyboard/Pointing Device	No Keyboard or mouse shipped with system unit
Ports	1 serial, 2 C2T, 2 USB, 2 Ethernet, 1 systems management (RS485)
Dimensions (Length x Width x Height)	Length = 25.98" (660mm) x 17.32" (440mm) x 1.69" (43mm)
Operating Systems Supported	Windows 2000 Advanced Server, Novell NetWare, SuSE and Red Hat Linux, Microsoft Windows Server 2003
Software and Tools	Integrated System Management Processor, IBM Director, ServerGuide and optional Remote Deployment Manager (separate purchase required).
Support	IBM HelpCenter, Optional 24x7x4 upgrade
Warranty	Three-year onsite limited warranty
Systems Management	Automatic Server Restart, Predictive Failure Analysis (PFA) on hard disk drives, processors, VRMs, fans and memory; Light Path Diagnostics; Integrated System Management Processor; ServerGuide, IBM Director, optional Remote Deployment Manager and the optional Remote Supervisor Adapter.

IBM @server xSeries 335 Model Comparison

	Processor (MHz)	L2 cache: std. (KB)	Memory: std./max. (MB/GB)	Bus	Hard disk drive Std: size/speed (rpm)	Hard disk drive: max. (GB)	Primary hard disk drive controller type	Slots: total/available	Bays: total/available	Hot-Swap bays: std./available	Part number	Model type	ESP (Excl. VAT) Euro	ESP (CHF) Incl VAT
	xSeries 335													
WH	Xeon 2.40	512	512/4	PCI	--	293.6	Ultra320 SCSI	2/2	4/2	2/2	P661Xxx	8676-61X	2.370,00	3,470.00
	Xeon DP 2.60	512	512/4	PCI	--	293.6	Ultra320 SCSI	2/2	4/2	2/2	P671Xxx	8676-71X	2.580,00	3,780.00
	Xeon 2.60	512	512/4	PCI	40GB/7.2K	240	EIDE	2/2	4/1	0/0	P672Xxx	8676-72X	2.590,00	3,790.00
	Xeon DP 2.80	512	512/4	PCI	--	293.6	Ultra320 SCSI	2/2	4/2	2/2	K61AXxx	8676-1AX	3.220,00	4,730.00
TS	Xeon DP 2.80	512	1/8	PCI	2x36.4GB, 15k	240	Ultra320 SCSI	2/2	4/2	2/2	P611Gxx	8676-11G	3.520,00	5,260.00
	Xeon DP 2.80	512	512/8	PCI	--	293.6	Ultra320 SCSI	2/2	4/2	2/2	P611Xxx	8676-11X	2.990,00	4,460.00
	Xeon DP 2.80	512	512/8	PCI	40GB/7.2K	240	EIDE	2/2	4/1	0/0	P612Xxx	8676-12X	3.030,00	4,530.00
	Xeon DP 2.80	512	512/4	PCI	--	293.6	Ultra320 SCSI	2/2	4/2	2/2	P681Xxx	8676-81X	2.930,00	4,370.00
	Xeon DP 2.80	512	512/4	PCI	40GB/7.2K	240	EIDE	2/2	4/1	0/0	P682Xxx	8676-82X	2.980,00	4,450.00
TS	Xeon 3.06	512	1/8	PCI	2x36.4GB, 15k	240	Ultra320 SCSI	2/2	4/2	2/2	P621Gxx	8676-21G	3.750,00	5,610.00
WH	Xeon DP 3.06	512	512/8	PCI	--	293.6	Ultra320 SCSI	2/2	4/2	2/2	P621Xxx	8676-21X	3.420,00	5,080.00
	Xeon DP 3.06	512	512/8	PCI	40GB/7.2K	240	EIDE	2/2	4/1	0/0	P622Xxx	8676-22X	3.470,00	5,150.00

Selected xSeries Accessories & Upgrades			
2.0GHz 400MHz 512KB L2 Cache Xeon Processor	59P5100	483,00	724.00
2.4GHz 400MHz 512KB L2 Cache Xeon Processor	59P5102	519,00	763.00
256MB PC2100 CL2.5 ECC DDR SDRAM RDIMM	33L5037	115,00	173.00
512MB PC2100 CL2.5 ECC DDR SDRAM RDIMM	33L5038	288,00	432.00
1GB PC2100 CL2.5 ECC DDR SDRAM RDIMM	33L5039	748,00	1,120.00
18.2GB 10K Ultra160 SCSI Hot-Swap SL HDD	06P5754	324,00	471.00
36.4GB 10K Ultra160 SCSI Hot-Swap SL HDD	06P5755	311,00	466.00
73.4GB 10K Ultra160 SCSI Hot Swap SL HDD	06P5756	506,00	760.00
18.2GB 15K rpm Ultra 160 SCSI Hot-Swap SL HDD	06P5767	368,00	553.00
36.4GB 15K rpm Ultra 160 SCSI Hot-Swap SL HDD	06P5768	483,00	724.00
36.4GB 15K rpm Ultra 320 SCSI Hot-Swap SL HDD	06P5776	483,00	724.00
ServeRAID-4Lx Ultra160 SCSI Controller	06P5740	461,00	678.00
ServeRAID-4Mx Ultra160 SCSI Controller	06P5736	1.270,00	1,870.00
2U SDLT Rack Autoloader	49P3240	13.340,00	19,420.00
NetBAY25 Rack Cabinet	9306250	1.611,34	2,460.00
NetBAY42 Enterprise Rack (ER) Cabinet	930842S	3.570,48	5,470.00
2.8BGHz 533MHz 512KB L2 Cache Xeon Processor	73P6382	1.020,00	1,520.00

TS = TopSeller WH = Workhorse

For additional xSeries compatible options refer to xSeries Options table at the end of the xSeries section.

IBM @server xSeries 343

Highlights

• Dual, redundant -48V power supplies and full NEBS 3 compliance make this server ideal for the telecommunications environment.

•2-way Intel processing capability, six PCI slots and 2GB of memory are all packed in a 2U form factor.

• 2U form factor with a sub-20" deep chassis especially tailored for service-provider central offices and switching centre's space-constrained environments.

• An external alarm panel provides 24x7 surveillance of critical, major and minor errors and power outages.

Specifications	
Processor	Intel Pentium III 1.26GHz-S/133MHz
Level 2 Cache	512KB Advanced Transfer (full speed)
Memory (std/max)	2GB 133MHz ECC SDRAM RDIMM (2 sockets used, 4 sockets available) A maximum system memory of 6GB can be achieved via 6 x 1GB RDIMM
Hard Disk Drive	36GB SCSI hard disk drive Maximum internal disk capacity of 72.8GB (Capacity based on installation of 2 x 36.4GB slim-high, Ultra160 HDDs)
Hard Disk Drive Controller	Ultra160 SCSI
Slots	6 slots: Slot 1-3: full-size, 64-bit PCI, Slot 4-6: low-profile, 64-bit PCI
Bays	4 Bays: 3 3.5" slim-high, 1 5.25" slim-high
Network Interface	2 x Integrated 10/100 Ethernet
Power Supply	2 x 350 Watts -48V DC - hot-swap redundant power supplies
Cooling Systems	Four cooling fans
Diskette Drive	3.5", 1.44MB standard
CD-ROM	24x-10x IDE Internal CD-ROM (front tray loading 3600/1500KBps data transfer rate, 115ms access time)
Keyboard/Pointing Device	Optional
Graphics and Video Resolution	ATI RAGE XL PCI graphics accelerator, 8MB video memory
Ports	Serial (RJ45), 2 x Ethernet, 2 x USB, combo keyboard/mouse, video
Operating System Supported	Red Hat Linux 7.1
Standard Software	IBM Director Agent support
Support	IBM HelpCenter, Optional 24x7x4 upgrade
Warranty	One-year onsite limited warranty
Systems Management	NEBS 3 compliant, External alarm panel for surveillance of system outages, IBM Director Agent support, System Management Processor
Security	Power-on and privileged-access password functions provide controls of who has access to the data and server setup program on the server. A set unattended boot mode allows the system keyboard to be locked to all entries except the password and at the same time allows other computers on the network to access the system disk drive. A selectable boot sequence can be used to prevent unauthorised installation of software or removal of data from the diskette drive.
Dimensions (Length x Width x Height)	Rack: 20.0 in x 17.5 in x 3.5 in
Note	These specifications are based on a NEBS 3 compliant configuration. For questions regarding other configurations, please contact your IBM sales representative or IBM Business Partner.

NOTES

Compact rack server for integrated file and print, mail and Web server solutions, or as an element of a larger e-commerce solution

IBM eServer xSeries 345

Highlights

• Feature-rich application serving platform

Designed with ASPs and constrained data center environments in mind, the x345 provides flexibility to grow as business grows, speed for quick installation, outstanding internal I/O expansion and up to 1TB of external storage. The x345 packs the latest Intel Xeon processors with 533MHz front-side bus speed, integrated RAID function for mirroring, the latest Ultra320 HDD technology, up to 880GB of internal storage and a low-cost ServeRAID-5i Controller that provides RAID capability internally and externally, all in a 2U form factor.

• Extreme availability and scalability

The x345 enhances uptime for mission-critical applications through integrated hard disk drive mirroring for data protection; four PCI-X slots that deliver configuration flexibility; hot-swap redundant power and cooling for high availability; Ultra320 hot-swap HDDs deliver robust storage capacity and integrated dual Gigabit Ethernet supports high-speed, redundant network connectivity.

• Smart systems management

The x345 includes a full array of systems management features - light Path Diagnostics, Predictive Failure Analysis, IBM Director and the Integrated Systems Management Processor - that work together to provide you with proactive and predictive capabilities to help increase system reliability. And, you can purchase the optional Remote Supervisor Adapter, designed to allow full control of the server, even when it's offline.

Specifications

Processor	Intel Xeon 2.67GHz, 2.8GHz and 3.06GHz/533MHz front-side bus. Intel Xeon 2.0GHz, 2.2GHz, 2.4GHz/400MHz
Number of Processors (Std/Max)	1/2
Cache	L2 512KB
Memory (Std/Max)	512MB/8GB PC2100 DDR Chipkill (when 2GB DIMM is available)
Hard Disk Drive	6 hot-swap hard disk drives
Hard Disk Drive Controller	Dual Channel Ultra320 SCSI Controller
Slots (Total/Available)	5/5 Slot 1 & 2 : 64-bit 100MHz PCI-X low profile 3V signaling Slot 3 & 4 : 64-bit 133MHz PCI-X std. Full size 3V signaling Slot 5: 32-bit 33MHz PCI std. half size 5V signaling
Bays (Total/Available/Maximum Storage)	8/6/880GB (with six 146.8GB hard disk drives)
Network Interface	Dual Gigabit Ethernet
Power Supply (Std/Max)	1 514W/2
Cooling System	8 hot-swappable system fans standard
Media Bays	1.44MB Floppy diskette drive. 24X-10X Internal CD-ROM
Keyboard/Pointing Device	No Keyboard or mouse shipped with system unit.
Ports	1 serial, 3 USB, 2 Ethernet, 2 systems management (RS485), 1 video, 1 keyboard, 1 mouse and 1 SCSI
Dimensions (Length x Width x Height)	Width = 443.6mm (17.465") (std. 19" rack). Height = 85.4mm (3.362")(2U). Depth = 698mm (27.48") including bezel.
Operating Systems Supported	Windows 2000 Advanced Server, Linux (Red Hat and SuSE), Novell NetWare
Software and Tools	Integrated System Management Processor. IBM Director
Support	IBM HelpCenter, Optional 24x7x4 upgrade
Warranty	Three-year onsite limited warranty
Systems Management	Alert Standard Format (ASF), Automatic Server Restart (ASR), Wake on LAN, IBM Director software which allows event management, file transfer, inventory, process and resource management and IBM Director Extensions (including Capacity Manager, Cluster Systems Management, RAID Manager, Rack Manager, Software Rejuvenation and System Availability), Integrated System Management processor (supports optional IBM Remote Supervisor Adapter for additional functionality), Light Path Diagnostics providing an LED map to a failing component, Predictive Failure Analysis (PFA) on power, voltage, hard disk drives and fans.

IBM @server xSeries 345 Model Comparison

	Processor (MHz)	SMP processor: std./max L2 cache: std. (KB) Memory: std./max. (MB/GB); external bus speed	Hard disk drive Std: size/speed (rpm)	Hard disk drive: max. (GB)	Primary hard disk drive controller type (Integrated Dual Channel)	RAID Levels	Slots: total/available Bays: total/available Hot-Swap bays: std./available Part number	Model type	ESP (Excl. VAT) Euro	ESP (CHF) Incl VAT
	xSeries 345									
TS	Xeon 2.66	2/2 512 512/8, 266MHz	3x36.4GB, 10K	880.8	Ultra320 SCSI	0,1,1E,10,5	5/5 8/3 6/0 K052Gxx	8670-52X	4.050,00	6,070.00
	Xeon DP 2.80	1/2 512 512/8, 266MHz	--	880.8	Ultra320 SCSI	1	5/5 8/6 6/0 K061Xxx	8670-61X	3.280,00	4,890.00
WH	Xeon 2400	1/2 512 512/8, 266MHz	--	440.4	Ultra320 SCSI	1	5/5 8/6 6/0 K031Xxx	8670-31X	2.910,00	4,260.00
	Xeon DP 2667	1/2 512 512/8, 266MHz	--	880.8	Ultra320 SCSI	1	5/5 8/6 6/0 K051Xxx	8670-51X	3.090,00	4,620.00

Selected xSeries Accessories & Upgrades			
2.0GHz 400MHz 512KB L2 Cache Xeon Processor	33P2931	483,00	724.00
256MB PC2100 CL2.5 ECC DDR SDRAM RDIMM	33L5037	115,00	173.00
512MB PC2100 CL2.5 ECC DDR SDRAM RDIMM	33L5038	288,00	432.00
1GB PC2100 CL2.5 ECC DDR SDRAM RDIMM	33L5039	748,00	1,120.00
18.2GB 10K Ultra160 SCSI Hot-Swap SL HDD	06P5754	324,00	471.00
36.4GB 10K Ultra160 SCSI Hot-Swap SL HDD	06P5755	311,00	466.00
73.4GB 10K Ultra160 SCSI Hot Swap SL HDD	06P5756	506,00	760.00
18.2GB 15K rpm Ultra 160 SCSI Hot-Swap SL HDD	06P5767	368,00	553.00
36.4GB 15K rpm Ultra 160 SCSI Hot-Swap SL HDD	06P5768	483,00	724.00
36.4GB 15K rpm Ultra 320 SCSI Hot-Swap SL HDD	06P5776	483,00	724.00
ServeRAID-4Lx Ultra160 SCSI Controller	06P5740	461,00	678.00
ServeRAID-4Mx Ultra160 SCSI Controller	06P5736	1.270,00	1,870.00
ServeRAID-5i Controller	25P3492	570,00	846.00
FAStT500 Host Adapter	00N6881	1.020,00	1,500.00
High-Speed 100/16/4 Token-Ring PCI Management Adapter	34L5201	213,04	332.00
Netfinity 10/100 Ethernet Security Adapter 2	06P3601	128,80	192.00
NetXtreme 1000 SX Fibre Ethernet Adapter	22P7801	654,00	962.00
2U SDLT Rack Autoloader	49P3240	13.340,00	19,420.00

TS = TopSeller WH = Workhorse

For additional xSeries compatible options refer to xSeries Options table at the end of the xSeries section.

Packs 4-way business-critical processing power into a 3U chassis

IBM eServer xSeries 360

Highlights

• This space efficient 3U, 4-way server is packed with the computing power to match the needs of the most demanding enterprise.

• Next-generation Intel Xeon Processors MP at speeds up to 2.0GHz usher in an era of extreme server power, performance and price/performance.

• The Intel processor-based server with groundbreaking IBM Enterprise X-Architecture technology - delivering revolutionary remote I/O scalability and reliability for industry-standard servers.

• An Integrated xSeries Adapter (IXA) (sold separately) directly connects the x360 via a 1GBps high-speed link to an IBM eServer iSeries system, enabling you to easily integrate Microsoft Windows 2000 server applications into an iSeries infrastructure and effectively manage multiple Microsoft Windows 2000 servers from a single iSeries. (Models 4RX, 5RX , 6RX, 7RX, 8RX and 9RX only)

Specifications	
Processor	Intel Xeon Processor MP 1.5GHz, 1.9GHz or 2.0GHz/400MHz
Number of Processors (std/max)	1 or 2/4
Cache	L3 512KB, 1MB or 2MB
Memory (std/max)	1 or 2GB/8GB Chipkill ECC DDR
Hard Disk Drive	Open bay
Hard Disk Drive Controller	Ultra160 SCSI
Slots (Total/Available)	6/6: Slots 1-6: full-size, 64-bit, Active PCI-X
Bays (Total/Available/Maximum Storage)	5/3/220.2GB
Network Features	Integrated 10/100 Ethernet
Power Supply (std/max)	1 or 2 370W hot-swappable/3
Cooling System	6 hot-swappable and redundant fans
Media Bays	1.44MB diskette drive 24X IDE Internal CD-ROM
Keyboard/Pointing Device	Optional
Ports	1 Ethernet, 2 systems management (RS485), 3 USB, 1 RXE Expansion, 1 mouse, 1 keyboard, 1 video
Dimensions (Length x Width x Height)	Rack: 25.7 in x 17.3 in x 6.88 in
Operating Systems Supported	Microsoft Windows 2000 Advanced Server, Microsoft Windows NT 4.0 Server Enterprise Edition, Novell NetWare, Caldera OpenUNIX, Linux (Red Hat, SuSE)
Software and Tools	IBM ServerGuide, IBM Director, Support for VMware ESX Server 1.5, MSCS certified
Warranty	Three-year onsite limited warranty
Support	IBM HelpCenter, Optional 24 x 7 x 4 Upgrade, IBM 99.9% Availability Guarantee Program
System Management	Alert on LAN 2, Automatic Server Restart, Wake on LAN, IBM Director software which allows event management, file transfer, inventory, process and resource management and IBM Director Extensions (including Capacity Manager, Cluster Systems Management, RAID Manager, Rack Manager, Software Rejuvenation and System Availability), IBM Remote Supervisor Adapter, IXA support, Light Path Diagnostics providing an LED map to a failing component, Predictive Failure Analysis (PFA) on hard disk drives, processors, fans, voltage regulator modules and memory

IBM @server xSeries 360 Model Comparison

	Processor (MHz)	Form Factor	SMP processor: std./max	L2 cache: std. (KB)	Memory: std./max. (MB/GB)	Hard disk drive Std: size/speed (rpm)	Hard disk drive: max. (GB)	Primary hard disk drive controller type	Slots: total/available	Bays: total/available	Hot-Swap bays: std./available	Part number	Model type	ESP (Excl. VAT)	ESP (CHF) Incl VAT
	xSeries 360														
WH	Xeon MP 1.50	Rack	1/4	512	1/16	--	220.2	Integrated Ultra160 SCSI	6/6	5/3	3/3	K67RXxx	8686-7RX	7.530,00	11,050.00
	Xeon MP 1.90	Rack	2/4	512	2/16	--	220.2	Integrated Ultra160 SCSI	6/6	5/3	3/3	K68RXxx	8686-8RX	13.670,00	20,080.00
	Xeon MP 2.00	Rack	2/4	512	2/16	--	220.2	Integrated Ultra160 SCSI	6/6	5/3	3/3	K69RXxx	8686-9RX	19.310,00	28,370.00

Selected xSeries Accessories & Upgrades			
Intel 1.5GHz/512KB Cache Xeon MP Processor	19K4639	3.990,00	5,820.00
Intel 1.6GHz/1MB Cache Xeon MP Processor	19K4647	8.280,00	12,420.00
256MB PC1600 CL2 ECC DDR SDRAM RDIMM	33L3281	115,00	173.00
512MB PC1600 CL2 ECC DDR SDRAM RDIMM	33L3283	277,00	406.00
73.4GB 10K Ultra160 SCSI Hot Swap SL HDD	06P5756	506,00	760.00
36.4GB 15K rpm Ultra 160 SCSI Hot-Swap SL HDD	06P5768	483,00	724.00
ServeRAID-4Lx Ultra160 SCSI Controller	06P5740	461,00	678.00
ServeRAID-4Mx Ultra160 SCSI Controller	06P5736	1.270,00	1,870.00
High-Speed 100/16/4 Token-Ring PCI Management Adapter	34L5201	213,04	332.00
Netfinity 10/100 Ethernet Security Adapter 2	06P3601	128,80	192.00
NetBAY25 Rack Cabinet	9306250	1.611,34	2,460.00
NetBAY42 Enterprise Rack (ER) Cabinet	930842S	3.570,48	5,470.00
NetBAY42 Standard Rack Expansion Cabinet	9306421	1.978,16	3,020.00

TS = TopSeller WH = Workhorse

For additional xSeries compatible options refer to xSeries Options table at the end of the xSeries section.

Exploits Enterprise X-Architecture technologies for 'pay as you grow' scalability

IBM @server xSeries 440

Highlights

The x440 is a performance-optimised, highly scalable, 16-way SMP-capable server powered by the Intel Xeon Processor MP. The currently available 16-way offers powerful 2.0GHz, 1.9GHz or 1.5GHz Xeon Processors MP with either 2MB or 1MB ECC L3 and 512KB L2 caches. High-speed, PC133 ECC SDRAM memory provides excellent processor-to-memory subsystem performance and scalability up to 64GB, the maximum supported by any IA-32 operating system.

•The Highly scalable x440 comes preloaded with Microsoft Windows 2000 Datacenter Server (selected models) and is certified for Windows 2000 Datacenter environments. Maximum uptime for your mission-critical applications is delivered through a set of top-notch services including onsite installation, setup and advanced support. IBM provides a single point of contact for hardware and software, giving you a truely comprehensive high-availability solution.

• The x440 is equipped with numerous fault-tolerant and high-availability features in a high-density, rack-optimised package that can significantly help reduce the space needed to support large network computing operations. These include Light Path Diagnostics, Predictive Failure Analysis, hot-swap Active PCI-X, hot-swap redundant power supplies, and cooling fans, and Active Memory for support of Chipkill memory, Memory Mirroring and Memory ProteXion.

Specifications

Processor	Intel Xeon Processor MP 1.5GHz/1MB cache, 1.9GHz/1MB cache, 2.0GHz/2MB cache/400MHz (up to 16-way). Intel Xeon Processor MP 1.4GHz/512KB cache, 1.5GHz/512KB cache, 1.6GHz/1MB cache/400MHz (up to 16-way)
Number of Processors (Std/Max)	2/8 or 4/8 with Intel Xeon Processor MP
L4 Cache	Up to 64MB XceL4 Server Accelerator Cache per 8-way, 128MB per 16-way
Memory (Std/Max)	2GB/64GB Chipkill per chassis (16GB/4-way, 32GB/8-way or 64GB/16-way) for Intel Xeon Processor MP
Hard Disk Drive	Open bay
Hard Disk Drive Controller	Dual Ultra160 SCSI per chassis
Slots (Total/ Available)	6/6 Slots 1-6: full-size, 64-bit, Active PCI-X
Bays (Total/Ava/Max Storage)	4/2/146.8GB
Network Features	Integrated single port 10/100/1000 Ethernet per chassis
Power Supply (Std/Max)	2 1050W hot-swappable and redundant/2 per chassis
Cooling System	4 hot-swappable and redundant fans per chassis
Media Bays	1.44MB diskette drive 24X IDE Internal CD-ROM
Keyboard/Pointing Device	Optional
Ports	1 Ethernet, 2 systems management (RS485), 3 USB, 2 RXE Expansion, 1 mouse, 1 keyboard, 1 video per chassis
Dimensions (L x W x H)	Rack: 27.5 in(698mm) x 19.0 in(483mm) x 7.0 in(178mm)
Operating Systems Supported	Microsoft Windows 2000 Datacenter Server for 4-way, 8-way and 16-way. VMware ESX Server 1.5 for 2-way, 4-way, 8-way and 16-way. Microsoft Windows NT 4.0, Linux (Red Hat and SuSE)
x440 Datacenter Cluster Supported (Min/Max)	(1-node / 1-node) Intel Xeon Processor MP 1.5GHz, 1.9GHz. 2.0GHz/400MHz (up to 16-way). (1-Node/1-node) Intel Xeon Processor MP 1.4GHz, 1.5GHz, 1.6GHz (Up to 16-way)
Warranty	One-year onsite limited warranty, 24 x 7 same day IBM onsite repair
Support	IBM HelpCenter, IBM 99.9% Availability Guarantee Program [optional]
System Management	Alert on LAN 2, Automatic Server Restart, Wake on LAN, IBM Director software which allows event management, file transfer, inventory, process and resource management and optional IBM Director Extensions (including Capacity Manager, Cluster Systems Management, RAID Manager, Rack Manager, Software Rejuvenation and System Availability), IBM Remote Supervisor Adapter, IXA support, Light Path Diagnostics providing an LED map to a failing component, Predictive Failure Analysis (PFA) on hard disk drives, processors, fans, memory and power supplies

IBM @server xSeries 440 Model Comparison

	Processor (MHz)	Form Factor	SMP processor: std./max L2 cache: std. (KB)	Memory type	Memory: std./max. (MB/GB)	Hard disk drive Std: size/speed (rpm) Hard disk drive: max. (GB)	RAID Levels	Slots: total/available Bays: total/available Hot-Swap bays: std./available	Part number	Model type	ESP (Excl. VAT)	ESP (CHF) Incl VAT
xSeries 440												
	Xeon MP 1.40	Rack	8/8 256	PC133 SDRAM	0/32768 --	146.8 --	6/6	4/2 2	K718Xxx	8687-18X	48.450,00	71,480.00
	Xeon MP 1.40	Rack	8/8 256	PC133 SDRAM	4/32768 --	146.8 --	6/6	4/2 2	K71VXxx	8687-1VX	49.060,00	72,380.00
	Xeon MP 1.50	Rack	8/8 256	PC133 SDRAM	0/32768 --	146.8 --	6/6	4/2 2	K728Xxx	8687-28X	65.010,00	95,910.00
	Xeon MP 1.50	Rack	8/8 256	PC133 SDRAM	4/32768 --	146.8 --	6/6	4/2 2	K72VXxx	8687-2VX	67.460,00	99,530.00
	Xeon MP 1.50	Rack	8/8 512	PC133 SDRAM	0/65536 --	146.8 --	6/6	4/2 2	K748Xxx	8687-48X	46.160,00	67,810.00
	Xeon MP 1.50	Rack	2/8 512	PC133 SDRAM	0/32768 --	146.8 --	6/6	4/2 2	K74AXxx	8687-4AX	20.610,00	30,400.00
WH	Xeon MP 1.50	Rack	2/8 512	PC133 SDRAM	2/32768 --	146.8 --	6/6	4/2 2/2	K74RXxx	8687-4RX	17.230,00	25,310.00
	Xeon MP 1.50	Rack	8/8 512	PC133 SDRAM	4/65536 --	146.8 --	6/6	4/2 2	K74VXxx	8687-4VX	46.730,00	68,640.00
	Xeon MP 1.60	Rack	8/8 256	PC133 SDRAM	0/32768 --	146.8 --	6/6	4/2 2	K738Xxx	8687-38X	105.480,00	155,630.00
	Xeon MP 1.60	Rack	8/8 256	PC133 SDRAM	4/32768 --	146.8 --	6/6	4/2 2	K73VXxx	8687-3VX	104.260,00	153,820.00
	Xeon MP 1.90	Rack	8/8 512	PC133 SDRAM	0/65536 --	146.8 --	6/6	4/2 2	K758Xxx	8687-58X	61.360,00	90,140.00
	Xeon MP 1.90	Rack	2/8 512	PC133 SDRAM	0/32768 --	146.8 --	6/6	4/2 2	K75AXxx	8687-5AX	25.760,00	38,000.00
	Xeon MP 1.90	Rack	2/8 512	PC133 SDRAM	2/32768 --	146.8 --	6/6	4/2 2/2	K75RXxx	8687-5RX	21.060,00	30,930.00
	Xeon MP 1.90	Rack	8/8 512	PC133 SDRAM	4/65536 --	146.8 --	6/6	4/2 2	K75VXxx	8687-5VX	63.610,00	93,450.00
	Xeon MP 1.90	Rack	4/8 512	PC133 SDRAM	4/32768 --	146.8 --	6/6	4/2 2/2	K76RXxx	8687-6RX	31.530,00	46,310.00
	Xeon MP 2.00	Rack	8/8 512	PC133 SDRAM	0/65536 --	146.8 --	6/6	4/2 2	K778Xxx	8687-78X	98.520,00	144,720.00
	Xeon MP 2.00	Rack	2/8 512	PC133 SDRAM	0/32768 --	146.8 --	6/6	4/2 2	K77AXxx	8687-7AX	34.350,00	50,670.00
	Xeon MP 2.00	Rack	4/8 512	PC133 SDRAM	2/32768 --	146.8 --	6/6	4/2 2/2	K77RXxx	8687-7RX	45.040,00	66,160.00
	Xeon MP 2.00	Rack	8/8 512	PC133 SDRAM	4/65536 --	146.8 --	6/6	4/2 2	K77VXxx	8687-7VX	97.390,00	143,070.00
	Xeon DP 2.40	Rack	2/4 512	PC133 SDRAM	2/32768 --	146.8 --	6/6	4/2 2/2	K73RYxx	8687-3RY	12.670,00	18,610.00
	Xeon DP 2.40	Rack	4/4 512	PC133 SDRAM	4/32768 --	146.8 --	6/6	4/2 2/2	K74RYxx	8687-4RY	18.580,00	27,290.00

Selected xSeries Accessories & Upgrades			
2.4GHz 400MHz 512KB L2 Cache Xeon Processor	37L3533	519,00	763.00
1.6GHz 1MB L3 Cache Upgrade with Xeon Processor MP	32P8707	8.280,00	12,420.00
18.2GB 10K Ultra160 SCSI Hot-Swap SL HDD	06P5754	324,00	471.00
73.4GB 10K Ultra160 SCSI Hot Swap SL HDD	06P5756	506,00	760.00
18.2GB 15K rpm Ultra 160 SCSI Hot-Swap SL HDD	06P5767	368,00	553.00
36.4GB 15K rpm Ultra 160 SCSI Hot-Swap SL HDD	06P5768	483,00	724.00
ServeRAID-4Mx Ultra160 SCSI Controller	06P5736	1.270,00	1,870.00
FAStT500 Host Adapter	00N6881	1.020,00	1,500.00
100/200GB LTO Half-High Tape Drive	24P2396	3.860,00	5,730.00
100/200GB Linear Tape Open Tape Drive	00N8016	4.380,00	6,490.00
2U SDLT Rack Autoloader	49P3240	13.340,00	19,420.00
NetBAY42 Enterprise Rack (ER) Cabinet	930842S	3.570,48	5,470.00
NetBAY42 Enterprise Expansion Rack (EX) Cabinet	930842E	3.431,90	5,250.00
NetBAY42 Standard Rack Cabinet	9306420	2.122,18	3,240.00
APC Smart UPS 1400RMB - Other EMEA Countries	14RIEUR	793,44	1,300.00

TS = TopSeller WH = Workhorse

For additional xSeries compatible options refer to xSeries Options table at the end of the xSeries section.

Extremely reliable and flexible 4-way, 4U, 64-bit server for optimised server applications

IBM @server xSeries 450

Highlights

• IBM OnForever technology lets you configure the x450 for high availability. Components such as Active Memory (Chipkill memory, Memory ProteXion and memory mirroring), Active PCI-X slots, the Remote Supervisor Adapter, Light Path Diagnostics and component redundancy featuring N+N power supplies enhance reliability and help reduce downtime.

• Built on IBM XpandOnDemand scalability, the x450 delivers industry leading PCI-X I/O capacity with its 4-way Itanium 2 processor (requires optional RXE-100 Remote Expansion Enclosure). Award-winning IBM systems management tools make managing IT resources simple and effective.

• Competitive performance. The x450 supports up to 40GB of DDR Chipkill memory, 146GB of Ultra320 SCSI storage and dual Gigabit Ethernet. Proven IBM chipset technology, including 64MB of XceL4 Server Accelerator Cache, significantly reduces memory access latency for most database and ERP workloads.

Specifications	
Processor	Intel Itanium 2 at up to 1.0GHz
Number of Processors (Std/Max)	1/4
Cache	Up to 3MB L3 and up to 64MB L4
Memory (Std/Max)	1GB/40GB PC2100 DDR Chipkill
Hard Disk Drive	2 hot-swap hard disk drives
Hard Disk Drive Controller	Dual Channel Ultra320 SCSI Controller
Slots (Total/Available)	6/6 Slot 1& 2 : 64-bit 66MHz PCI-X Slot 3 & 4 : 64-bit 100MHz PCI-X Slot 5 & 6 : 64-bit 133MHz PCI-X
Bays (Total/Available/Maximum Storage)	4/2/146.8GB
Network Interface	Integrated dual 10/100/1000 Ethernet
Power Supply (Std/Max)	2 1050W/2
Cooling System	4 hot-swappable system fans standard
Media Bays	2 Ultrabay 2000 slots, standard combination DVD CD/RW drive, 1 open slot
Keyboard/Pointing Device	No Keyboard or mouse shipped with system unit (order part# 22P5150)
Ports	1 serial, 3 USB, 2 Ethernet, 1 systems management (RS485), 1 video and 1 SCSI
Dimensions (Length x Width x Height)	Width = 440mm (17.3") (std. 19" rack) Height = 178mm (7") (4U) Depth = 700mm (27.5") including bezel
Operating Systems Supported	Windows Server 2003 Enterprise Edition, Linux (SuSE Enterprise Server and Red Hat Advanced Server)
Software and Tools	Remote Supervisor Adapter and IBM Director
Warranty	One-year onsite limited warranty, 24 x 7 same day IBM onsite repair
Systems Management	IBM Remote Supervisor Adapter supports remote management capabilities, Light Path Diagnostics providing an LED map to a failing component, Predictive Failure Analysis (PFA) on power, VRM, hard disk drives and fans.

IBM @server xSeries 450 Model Comparison

Processor (MHz)	Form Factor	SMP processor: std./max	Memory type	Memory: std./max. (MB/GB)	Hard disk drive Std: size/speed (rpm)	Hard disk drive: max. (GB)	RAID Levels	Slots: total/available	Bays: total/available	Hot-Swap bays: std./available	Part number	Model type	ESP (Excl. VAT) Euro	ESP (CHF) Incl VAT
xSeries 450														
Intel Itanium 2 1.00	Rack [	2/4	PC2100 DDR SDRAM (Chipkill)	2/40	--	146.8	1	6/6	4/3	2	K82RXxx	8688-2RX	32.040,00	46,730.00
Intel Itanium 2 1.00	Rack [	2/4	PC2100 DDR SDRAM (Chipkill)	2/40	--	146.8	1	6/6	4/3	2	K83RXxx	8688-3RX	37.640,00	54,890.00
Intel Itanium 2 900	Rack [	1/4	PC2100 DDR SDRAM (Chipkill)	1/40	--	146.8	1	6/6	4/3	2	K81RXxx	8688-1RX	24.000,00	34,990.00

Selected xSeries Accessories & Upgrades			
xSeries 900 MHz 1.5 MB L3 Cache Upgrade with Itanium 2 Processor	59P5103	2.530,00	3,790.00
xSeries 1.0 GHz 1.5 MB L3 Cache Upgrade with Itanium 2 Processor	59P5104	4.600,00	6,900.00
xSeries 1.0 GHz 3 MB Cache Upgrade with Itanium 2 Processor	59P5105	8.400,00	12,590.00
512MB PC2100 CL2.5 ECC DDR SDRAM RDIMM	73P2027	288,00	432.00
1GB PC2100 CL2.5 ECC DDR SDRAM RDIMM	73P2028	748,00	1,120.00
2GB PC2100 CL2.5 ECC DDR SDRAM RDIMM	73P2030	2.300,00	3,450.00
18.2GB 10K Ultra160 SCSI Hot-Swap SL HDD	06P5754	324,00	471.00
36.4GB 10K Ultra160 SCSI Hot-Swap SL HDD	06P5755	311,00	466.00
73.4GB 10K Ultra160 SCSI Hot Swap SL HDD	06P5756	506,00	760.00
18.2GB 15K rpm Ultra 160 SCSI Hot-Swap SL HDD	06P5767	368,00	553.00
36.4GB 15K rpm Ultra 160 SCSI Hot-Swap SL HDD	06P5768	483,00	724.00
36.4GB 15K rpm Ultra 320 SCSI Hot-Swap SL HDD	06P5776	483,00	724.00
36.4 GB 10K rpm Ultra320 SCSI Hot-Swap HDD	32P0726	311,00	466.00
36.4GB 15K rpm Ultra 320 SCSI Hot-Swap SL HDD	32P0734	483,00	724.00
73.4 GB 10K rpm Ultra320 SCSI Hot-Swap HDD	32P0727	506,00	760.00
146.8 GB 10K rpm Ultra320 SCSI Hot-Swap HDD	32P0728	920,00	1,380.00
ServeRAID-4Mx Ultra160 SCSI Controller	06P5736	1.270,00	1,870.00
1GB PC2100 CL2.5 ECC DDR SDRAM RDIMM	73P2028	748,00	1,120.00
2GB PC2100 CL2.5 ECC DDR SDRAM RDIMM	73P2030	2.300,00	3,450.00
ServeRAID-4Mx Ultra160 SCSI Controller	06P5736	1.270,00	1,870.00
IBM TotalStorage FC2-133 Host Bus Adapter	24P0960	1.500,00	2,180.00
Netfinity 10/100 Ethernet Security Adapter 2	06P3601	128,80	192.00

TS = TopSeller WH = Workhorse
For additional xSeries compatible options refer to xSeries Options table at the end of the xSeries section.

IBM NetBAY Racks

Highlights

• A flexible rack solution that consolidates servers and saves space while permitting easy access to crucial components with NetBAY racks and enclosures.

• Heavy-duty, slide-out component rails and lock-and-key security helping to protect and neatly manage your cluster, consolidation or server farm.

• Modular solution, allowing easy expansion. Integrate either the NetBAY42 Enterprise Rack or the NetBAY42 Standard Rack into rack suites of up to eight racks. For small and medium businesses, the NetBAY11 Standard Rack provides a framework for complete small business solutions assembled, tested and ready to run.

• The IBM eServer xSeries Rack Configurator simplifies planning for efficient use of rack space. These rack products assume the warranty term of the server with which they are installed.

Specifications	
Industry Standard Dimensions	The IBM NetBAY42 (42U) Enterprise Rack Cabinet, NetBAY42 (42U) Enterprise Expansion Cabinet, NetBAY42 (42U) Standard Rack Cabinet, NetBAY42 (42U) Standard Expansion Cabinet, the NetBAY25 (25U) Standard Rack and the NetBAY11 (11U) Standard Rack conform to the Electronic Industries Association (EIA) standard 310-D. They are 19-inch, type A cabinets with universal hole spacing and the indicated vertical mounting space. One U equals 44.45mm (1.75 inches)
Security (Racks only)	Lockable front door, rear door and side panels (NetBAY42 Enterprise Rack and NetBAY25 Standard Rack) for a more secured network environment.
Rack Suites (Racks only)	The NetBAY42 Enterprise Rack and the NetBAY42 Standard Rack can be combined with racks of their own kind to form Rack Suites to house additional server and storage enclosures. Multiple IBM NetBAY25 and NetBAY22 units of like kind can be placed side by side one another to handle future growth capacity.
Support	IBM HelpCenter
Warranty	Three-year onsite limited warranty.

IBM Racks Model Comparison

Part Number	Model Type	Mounting Size	Space	Server Capacity: x250	Server Capacity: x342, x360	Server Capacity: x200, x220, x440	Server Capacity: x232	Server Capacity: x300, x330	Enclosure Capacity: EXP 15/EXP200	Cabinet Width	Cabinet Depth	Cabinet Height
IBM NetBAY42 Enterprise Rack Cabinet												
930842	9308-42S	19in	42U	5	14	10	8	42	14	640mm	1100mm	2020mm
IBM NetBAY42 Enterprise Expansion Rack Cabinet												
930842E	9308-42E	19in	42U	5	14	10	8	42	14	640mm	1100mm	2020mm
IBM NetBAY42 Standard Rack Cabinet												
9306420	9306-420	19in	42U	5	14	10	8	42	14	600mm	1040mm	2076mm
IBM NetBAY42 Standard Expansion Rack Cabinet												
9306421	9306-421	19in	42U	5	14	10	8	42	14	600mm	1040mm	2076mm
IBM NetBAY25 Standard Rack Cabinet												
9306250	9306-250	19in	25U	3	8	6	5	25	8	600mm	1040mm	1358mm
IBM NetBAY11 Standard Rack Cabinet												
9306110	9306-110	19in	11U	1	3	2	2	11	3	520mm	874mm	612mm
IBM NetBAY3												
10L6912	- -	19in	3U	- -	- -	- -	- -	- -	1	483mm	612mm	179mm

IBM eServer xSeries EXP

Highlights

• Maintain availability - rely on the hot-swap power supplies and fans found on the IBM EXP300. When combined with IBM's high-availability clustering solution software, the EXP300 promotes and maximises system availability.

• Manage your IBM EXP300 reliably 24 hours a day, with systems management features such as SAF-TE, Predictive Failure Analysis and industry-leading IBM Director software.

• Scale up the amount of data you can store with up to 1TB in a single IBM EXP300 unit.

• Acclaimed service and support with IBM's three-year onsite limited warranty

Specifications	
Dimensions	Height: 5.0in. Width: 17.5in. Depth: 20.4in.
Hard Drives	A maximum storage capacity of 1TB may be achieved via 14 X 73.4GB Ultra160 SCSI hard disk drives. The IBM NetBAY42 Enterprise Rack or the NetBAY42 Standard Rack can hold up to 14 EXP300 units giving you up to 14TB of storage.
Power Supply	EXP300 - Dual 500W hot-plug redundant power supply. Helps ensure that your storage enclosure remains online in the event of one of the power supplies failing. Redundant power supplies allow the standby power supply to take over quickly should the primary power supply fail.
RAID	The IBM EXP300 provides nine levels of RAID support in conjunction with ServeRAID controllers, including IBM exclusive RAID 1E and 5E.
Support	IBM HelpCenter
Warranty	Three-year onsite limited warranty: IBM onsite repair, 8:00am to 5:00pm, Monday to Friday, with eight-hour average response time

IBM Server Enclosures Model Comparison

Part number	Model type	Total bays	Hot-Swap bays: total, available	Max disk storage(GB)	WxDxH (mm)	Rack space required	Power supply: std.,auxiliary
IBM FAStT200 Storage Server							
19K11XX	3542-1RX	10	10,10	9630*	480x575x132	3U	2 x 350W
IBM FAStT200 HA Storage Server							
19K11XX	3542-2RX	10	10,10	9630*	480x575x132	3U	2 x 350W
IBM FAStT EXP500 Rack Storage Expansion Unit							
00N71XX	3560-1RX	10	10,10	1460	480x575x132	3U	2 x 350W
IBM FAStT EXP700 Rack Storage Expansion Unit							
24P09xx	1740-1RX	14	14, 14	2044	480x575x132	3U	2 x 350W
IBM FAStT 600 Storage Server							
****	1722-60X	14	14, 14	6132 **	482x597x132	3U	2 x 350W
IBM FAStT700 Storage Server							
24P09XX	1742-1RX	224 ***	224, 224 ***	3270 ***	444x609x174	4U	2 x 175W
IBM FAStT900 Storage Server							
****	1742-90X	224 ***	224, 224 ***	3270 ***	444x609x174	4U	2 x 175W

* The FAStT200 scales from 36GB to 9.6TB of storage with the addition of between 1 to 4 FastT EXP700 expansion enclosures. Each expansion enclosure supports up to 14 146GB Fibre Channel disk drives.

* The FAStT600 scales from 36GB to 6TB of storage with the addition of between 1 to 2 FastT EXP700 expansion enclosures. Each expansion enclosure supports up to 14 146GB Fibre Channel disk drives.
** The FAStT700 & FAStT900 scale from 36GB to 32TB of storage with the addition of between 1 to 22 FastT EXP700 expansion enclosures. Each expansion enclosure supports up to 14 146GB Fibre Channel disk drives.
****Country specific part number

IBM @server xSeries Accessories & Upgrades (Models 205 - 255)

Description	xSeries 205	xSeries 225	xSeries 235	xSeries 255	Part Number	ESP (Excl. VAT) Euro	ESP (CHF) Incl VAT
Memory							
DIMM/SDRAM							
256MB PC2100 CL2.5 ECC DDR SDRAM UDIMM	✓				10K0067	115,00	173.00
512MB PC2100 CL2.5 ECC DDR SDRAM UDIMM	✓				10K0069	288,00	432.00
1GB PC2100 CL2.5 ECC DDR SDRAM UDIMM	✓				10K0071	1.150,00	1,720.00
256MB PC1600 CL2 ECC DDR SDRAM RDIMM				✓	33L3281	115,00	173.00
512MB PC1600 CL2 ECC DDR SDRAM RDIMM				✓	33L3283	277,00	406.00
1GB PC1600 CL2 ECC DDR SDRAM RDIMM				✓	33L3285	748,00	1,120.00
128MB PC2100 CL2.5 ECC DDR SDRAM RDIMM		✓	✓		33L5036	75,00	112.00
256MB PC2100 CL2.5 ECC DDR SDRAM RDIMM		✓	✓		33L5037	115,00	173.00
512MB PC2100 CL2.5 ECC DDR SDRAM RDIMM		✓	✓		33L5038	288,00	432.00
1GB PC2100 CL2.5 ECC DDR SDRAM RDIMM		✓	✓		33L5039	748,00	1,120.00
2GB PC2100 CL2.5 ECC DDR SDRAM RDIMM {512Mb}		✓			33L5040	2.300,00	3,450.00
Processor Upgrades							
Xeon							
3.06GHz 533MHz 512KB L2 Cache Xeon Processor			✓		02R1988	1.720,00	2,570.00
xSeries 2.67 GHz 533 MHz 512KB L2 Cache Upgrade with Xeon Processor		✓			24P7861	666,00	999.00
xSeries 2.8 GHz 533 MHz 512KB L2 Cache Upgrade with Xeon Processor		✓			24P8054	1.020,00	1,520.00
2.0GHz 400MHz 512KB L2 Cache Xeon Processor			✓		33P2931	483,00	724.00
2.4GHz 400MHz 512KB L2 Cache Xeon Processor			✓		37L3533	519,00	763.00
2.4GHz 533MHz 512KB L2 Cache Xeon Processor		✓			59P5108	519,00	763.00
Storage							
Adapters							
FAStT500 Host Adapter			✓	✓	00N6881	1.020,00	1,500.00
Ultra320 Internal 24" LVD SCSI Cable Option			✓		02R2068	☎	☎
ServeRAID-4Mx Ultra160 SCSI Controller	✓	✓	✓	✓	06P5736	1.270,00	1,870.00
ServeRAID-4Lx Ultra160 SCSI Controller	✓	✓	✓	✓	06P5740	461,00	678.00
FAStT200 Redundant RAID Controller		✓			19K1121	6.980,00	10,580.00
ServeRAID-5i Controller		✓	✓		25P3492	570,00	846.00
ServeRAID-4H Ultra160 SCSI Controller		✓		✓	37L6889	1.190,00	1,740.00
IBM ATA 133 RAID Controller	✓				71P8592	152,00	223.00
Cables							
SCSI External 2m Cable	✓	✓	✓	✓	01K8027	45,11	83.00
Netfinity Fibre Channel 25m Short-Wave Cable		✓	✓	✓	03K9305	215,00	316.00
Netfinity Fibre Channel 5m Short-Wave Cable		✓	✓	✓	03K9306	109,00	160.00
Netfinity Fibre Channel Long-Wave GBIC		✓	✓	✓	03K9307	933,00	1,410.00
Netfinity Fibre Channel Short-Wave GBIC		✓	✓	✓	03K9308	253,00	372.00
xSeries 2m external LVD SCSI cable	✓	✓	✓	✓	03K9310	77,71	134.00
xSeries 4.2m external LVD SCSI cable	✓	✓	✓	✓	03K9311	109,23	190.00
Ultra320 external SCSI connector cable			✓		24P7973	30,00	46.00
250mm KVM Conversion Option (Short KCO)		✓	✓	✓	32P1636	640,00	941.00
C2T Conversion Option (CTO)			✓	✓	32P1637	205,00	302.00
1.5M KVM Conversion Option (Long KCO)		✓	✓	✓	32P1652	640,00	941.00
Netfinity Fibre Channel 1m Cable		✓	✓	✓	36L9973	60,00	91.00
Netfinity 20m Ultra2 SCSI Cable	✓	✓	✓	✓	37L7101	256,51	408.00

Description	xSeries 205	xSeries 225	xSeries 235	xSeries 255	Part Number	ESP (Excl. VAT) Euro	ESP (CHF) Incl VAT
CD-ROM Drives							
48X-20X Internal IDE CD-ROM Drive (Black)	✓	✓			10K3782	54,00	82.00
IBM 16X Max RAM-Read DVD-ROM Black Drive	✓	✓	✓		22P6950	119,00	174.00
Hard Disk Drives/Hot Swap							
18.2GB 10K Ultra160 SCSI Hot-Swap SL HDD	✓	✓	✓	✓	06P5754	324,00	471.00
36.4GB 10K Ultra160 SCSI Hot-Swap SL HDD	✓	✓	✓	✓	06P5755	311,00	466.00
73.4GB 10K Ultra160 SCSI Hot Swap SL HDD	✓	✓	✓	✓	06P5756	506,00	760.00
18.2GB 15K rpm Ultra 160 SCSI Hot-Swap SL HDD	✓	✓	✓	✓	06P5767	368,00	553.00
36.4GB 15K rpm Ultra 160 SCSI Hot-Swap SL HDD	✓	✓	✓	✓	06P5768	483,00	724.00
36.4GB 15K rpm Ultra 320 SCSI Hot-Swap SL HDD		✓	✓	✓	06P5776	483,00	724.00
36.4 GB 10K rpm Ultra320 SCSI Hot-Swap HDD		✓	✓	✓	32P0726	311,00	466.00
73.4 GB 10K rpm Ultra320 SCSI Hot-Swap HDD		✓	✓	✓	32P0727	506,00	760.00
146.8 GB 10K rpm Ultra320 SCSI Hot-Swap HDD		✓	✓	✓	32P0728	920,00	1,380.00
36.4GB 15K rpm Ultra 320 SCSI Hot-Swap SL HDD		✓	✓	✓	32P0734	483,00	724.00
73GB 15K rpm Ultra 320 SCSI Hot-Swap SL HDD		✓	✓	✓	32P0735	920,00	1,380.00
146.8GB 10,000rpm Ultra 160 SCSI Hot-Swap HDD	✓	✓	✓	✓	32P0750	920,00	1,380.00
Hard Disk Drives/Non Hot Swap							
18.2GB 10K Ultra160 SCSI SL HDD	✓	✓			06P5750	250,00	365.00
36.4GB 10K Ultra160 SCSI SL HDD	✓	✓			06P5751	311,00	466.00
73.4GB 10K Ultra160 SCSI SL HDD	✓	✓			06P5752	506,00	760.00
18.2GB 15K rpm Ultra 160 SCSI SL HDD	✓	✓			06P5765	299,00	438.00
36.4GB 15K rpm Ultra 160 SCSI SL HDD	✓	✓			06P5766	483,00	724.00
80GB ATA/100 EIDE SL Hard Disk Drive (7200rpm)	✓				09N4226	196,00	289.00
40GB ATA/100 EIDE SL Hard Disk Drive (7200rpm)	✓				22P7157	176,00	258.00
36.4 GB 10K rpm Ultra320 SCSI HDD	✓	✓			32P0723	311,00	466.00
73.4 GB 10K rpm Ultra320 SCSI HDD	✓	✓			32P0724	506,00	760.00
146.8 GB 10K rpm Ultra320 SCSI HDD	✓	✓			32P0725	920,00	1,380.00
36.4GB 15K rpm Ultra 320 SCSI Non Hot-Swap SL HDD	✓	✓			32P0784	483,00	724.00
73GB 15K rpm Ultra 320 SCSI Non Hot-Swap SL HDD	✓	✓			32P0785	920,00	1,380.00
Other							
NetBAY 4 Port LCM		✓	✓	✓	1735L04	868,00	1,270.00
NetBAY 16 Port RCM		✓	✓	✓	1735R16	5.370,00	7,890.00
External SCSI Interface Kit		✓		✓	32P8164	24,00	36.00
IBM Modular Fibre Channel Option			✓	✓	59P6657	5.160,00	7,550.00
IBM Modular LTO Drive Upgrade Option			✓	✓	59P6658	6.870,00	10,060.00
IBM Modular LTO Cartridge Magazine			✓	✓	59P6659	544,00	797.00
IBM Modular SDLT Drive Upgrade Option			✓	✓	59P6660	8.020,00	11,740.00
IBM Modular SDLT Cartridge Magazine			✓	✓	59P6661	544,00	797.00
IBM Modular Elevator Link Option			✓	✓	59P6662	2.520,00	3,690.00
IBM Modular Elevator Link Extension Option			✓	✓	59P6663	457,00	668.00
Single Channel Ultra320 SCSI Controller		✓	✓	✓	71P8594	335,00	489.00
Switches							
IBM TotalStorage SAN Switch Enhanced		✓	✓	✓	2109F16	22.670,00	33,360.00
IBM TotalStorage SAN Fibre Channel Switch Model F08		✓	✓		3534F08	6.240,00	9,170.00
Tape Drives							
20/40GB DDS/4 4mm Internal Tape Drive	✓				00N7991	762,00	1,120.00
120/240GB Internal DDS/4 4mm Tape Autoloader				✓	00N7992	2.120,00	3,140.00
100/200GB Linear Tape Open Tape Drive		✓		✓	00N8016	4.380,00	6,490.00
100/200GB LTO Half-High Tape Drive	✓	✓		✓	24P2396	3.860,00	5,730.00
40/80GB Half-High DLTVS Internal SCSI Tape Drive	✓	✓		✓	24P2398	1.730,00	2,550.00
20/40GB TR7 Internal IDE Tape Drive		✓			48P7042	501,00	734.00
2U SDLT Rack Autoloader with UK line cord				✓	49P3240	13.340,00	19,420.00
2U SDLT Rack Autoloader with EU1 line cord				✓	49P3241	13.340,00	19,420.00

Description	xSeries 205	xSeries 225	xSeries 235	xSeries 255	Part Number	ESP (Excl. VAT) Euro	ESP (CHF) Incl VAT
2U SDLT Rack Autoloader with Denmark line cord				✓	49P3242	13.340,00	19,420.00
2U SDLT Rack Autoloader with India/SA line cord				✓	49P3243	13.340,00	19,420.00
2U SDLT Rack Autoloader with Swiss line cord				✓	49P3244	13.340,00	19,420.00
2U SDLT Rack Autoloader with Italy line cord				✓	49P3245	13.340,00	19,420.00
2U SDLT Rack Autoloader with Israel line cord				✓	49P3246	13.340,00	19,420.00
IBM SDLT/LTO Modular Tape Library - UK Line Cord			✓	✓	59P6672	8.710,00	12,740.00
IBM SDLT/LTO Modular Tape Library - EU Line Cord			✓	✓	59P6673	8.710,00	12,740.00
IBM SDLT/LTO Modular Tape Library - Danish Line Cord			✓	✓	59P6674	8.710,00	12,740.00
IBM SDLT/LTO Modular Tape Library - India/South African Line Cord			✓	✓	59P6675	8.710,00	12,740.00
IBM SDLT/LTO Modular Tape Library - Swiss Line Cord			✓	✓	59P6676	8.710,00	12,740.00
IBM SDLT/LTO Modular Tape Library - Italian Line Cord			✓	✓	59P6677	8.710,00	12,740.00
IBM SDLT/LTO Modular Tape Library - Israel Line Cord			✓	✓	59P6678	8.710,00	12,740.00
IBM SDLT/LTO Modular Tape Library			✓	✓	59P667X	☎	☎
IBM 160/320GB SDLT Tape Drive			✓	✓	59P6736	5.330,00	7,800.00
200/400GB LTO Full-High Tape Drive			✓	✓	59P6744	5.750,00	8,620.00
Desktop Expansion							
Other							
USB Serial Parallel Adapter			✓	✓	22P5298	93,00	142.00
External Storage Expansion							
Other							
Netfinity FAStT500 RAID Controller - U.S. line cord, English publications		✓	✓	✓	00N6913	40.190,00	☎
NF FAStT500 RAID Controller - Euro line cord, English publications		✓	✓	✓	00N6914	40.190,00	☎
Netfinity FAStT500 RAID Controller - Danish line cord, English publications		✓	✓	✓	00N6918	☎	☎
Netfinity FAStT500 RAID Controller - Israel line cord, English publications		✓	✓	✓	00N6919	☎	☎
Netfinity FAStT500 RAID Controller - Italian line cord, English publications		✓	✓	✓	00N6920	☎	☎
Netfinity FAStT500 RAID Controller - S. African line cord, English publications		✓	✓	✓	00N6921	☎	☎
Netfinity FAStT500 RAID Controller - Swiss line cord, English publications		✓	✓	✓	00N6922	☎	60,920.00
Netfinity FAStT500 RAID Controller - UK line cord, English publications		✓	✓	✓	00N6926	☎	☎
Flat Panel Monitors							
Flat Panel Essential							
T541 15.0in Analogue TFT LCD (15.0in/380mm VIS) TCO-99 Stealth Black Colour Monitor	✓	✓		✓	T41ABxx	341,00	517.00
Flat Panel Performance							
T860 18.1in Hybrid TFT LCD (18.1in/460mm VIS) TCO-99 Stealth Black Colour Monitor	✓				T4HB0xx	1.250,00	1,840.00
CRT Monitors							
CRT Essential							
G78 17" FLAT (16.0" VIS) 85KHz 0.25mm 1280x1024/75Hz TCO-99 NH Stealth Black Colour Monitor	✓	✓	✓	✓	T274Axx	256,00	377.00
Networking							
Adapters							
PCI Ultra160 SCSI Adapter	✓	✓	✓	✓	19K4646	184,00	271.00
Adapters/Ethernet							
Netfinity 10/100 Ethernet Security Adapter 2	✓	✓	✓	✓	06P3601	128,80	192.00
10/100 EtherLink PCI Server Adapter by 3Com		✓	✓	✓	09N9901	115,21	183.00
IBM 10/100 Dual Port Server Adapter	✓	✓	✓		22P4901	252,70	386.00
PRO/1000 XT Server Adapter by Intel + Software	✓	✓	✓	✓	22P6801	215,00	316.00
NetXtreme 1000 SX Fibre Ethernet Adapter		✓			22P7801	654,00	962.00
NetXtreme 1000 T Ethernet Adapter	✓		✓		31P6301	159,00	231.00
Adapters/Other							
Serial I/O SST8P DB PCI Adapter		✓	✓		37L1414	354,87	566.00
Adapters/Token Ring							
16/4 Token-Ring PCI Management Adapter	✓	✓	✓	✓	34L5001	166,30	266.00
High-Speed 100/16/4 Token-Ring PCI Management Adapter	✓	✓	✓	✓	34L5201	213,04	332.00

Description	xSeries 205	xSeries 225	xSeries 235	xSeries 255	Part Number	ESP (Excl. VAT) Euro	ESP (CHF) Incl VAT
Other							
FAStT500 Mini Hub		✓			00N6882	988,00	1,500.00
Power							
Other							
American Power Conversion Smart-UPS 700	✓	✓	✓		SUP072Y	346,00	513.00
American Power Conversion Smart-UPS 1000	✓	✓	✓		SUP102Y	460,00	683.00
APC Smart UPS 3000RMB - Danish	✓	✓	✓	✓	30RIDEN	☎	☎
APC Smart UPS 3000RMB - Other EMEA Countries	✓	✓	✓	✓	30RIEUR	1.690,00	2,510.00
APC Smart UPS 3000RMB - Israeli	✓	✓	✓	✓	30RIISR	☎	☎
APC Smart UPS 3000RMB - Italian	✓	✓	✓	✓	30RIITA	☎	☎
APC Smart UPS 3000RMB - South African	✓	✓	✓	✓	30RISAF	2.324,35	3,160.00
APC Smart UPS 3000RMB - Saudi Arabian	✓	✓	✓	✓	30RISDI	☎	3,160.00
APC Smart UPS 3000RMB - Swiss	✓	✓	✓	✓	30RISWS	☎	3,160.00
APC Smart UPS 3000RMB - UK English	✓	✓	✓	✓	30RIUKM	☎	☎
560 Watt Redundant Power Supply for 533MHz FSB w/ US line cord			✓		02R1874	442,00	649.00
560 Watt Redundant Power Supply for 533MHz FSB w/ European line cord			✓		02R1875	442,00	649.00
560 Watt Redundant Power Supply for 533MHz FSB w/ Denmark line cord			✓		02R1876	442,00	649.00
560 Watt Redundant Power Supply for 533MHz FSB w/ Israel line cord			✓		02R1877	442,00	649.00
560 Watt Redundant Power Supply for 533MHz FSB w/ Italy line cord			✓		02R1878	442,00	649.00
560 Watt Redundant Power Supply for 533MHz FSB w/ South Africa line cord			✓		02R1879	442,00	649.00
560 Watt Redundant Power Supply for 533MHz FSB w/ Swiss line cord			✓		02R1880	442,00	649.00
560 Watt Redundant Power Supply for 533MHz FSB w/ UK line cord			✓		02R1881	442,00	649.00
IBM 660 Watt Redundant Power Supply for 533MHz FSB Option with US line cord			✓		02R2015	☎	☎
IBM 660 Watt Redundant Power Supply for 533MHz FSB Option with EU line cord			✓		02R2016	414,00	621.00
IBM 660 Watt Redundant Power Supply for 533MHz FSB Option with Danish line cord			✓		02R2017	414,00	621.00
IBM 660 Watt Redundant Power Supply for 533MHz FSB Option with Israel line cord			✓		02R2018	414,00	621.00
IBM 660 Watt Redundant Power Supply for 533MHz FSB Option with Italian line cord			✓		02R2019	414,00	621.00
IBM 660 Watt Redundant Power Supply for 533MHz FSB Option with South Africa line cord			✓		02R2020	414,00	621.00
IBM 660 Watt Redundant Power Supply for 533MHz FSB Option with Swiss line cord			✓		02R2021	414,00	621.00
IBM 660 Watt Redundant Power Supply for 533MHz FSB Option with UK line cord			✓		02R2022	414,00	621.00
NetBAY Server Dual Power Cord Distribution Unit - UK Line Cord			✓	✓	06P6027	☎	☎
Rack Power Distribution Unit - UK Line Cord			✓	✓	06P6028	☎	☎
xSeries 370W Reversed Fan Hot-Swap Power Supply				✓	31P6133	262,00	385.00
Hot-Swap Power (cage, BP, & 2 @ 560W P/S)			✓		33P2954	605,00	887.00
Hot-Swap Power (cage, BP, & 2 @ 560W P/S)			✓		33P2955	605,00	887.00
APC SmartUPS5000 High Voltage International	✓	✓	✓	✓	37L6862	3.060,00	4,540.00
NetBAY Server Dual Power Cord Distribution Unit - Saudi Arabian Line Cord			✓	✓	37L6865	☎	☎
Rack Power Distribution Unit - Saudi Arabia Line Cord			✓	✓	37L6866	☎	☎
NetBAY Server Dual Power Cord Distribution Unit - European Line Cord			✓	✓	37L6867	☎	☎
Rack Power Distribution Unit - European Line Cord			✓	✓	37L6868	239,66	364.00
NetBAY Server Dual Power Cord Distribution Unit - Danish/Swiss Line Cord			✓	✓	37L6869	☎	630.00
Rack Power Distribution Unit - Danish/Swiss Line Cord			✓	✓	37L6870	☎	364.00
NetBAY Server Dual Power Cord Distribution Unit - Israeli Line Cord			✓	✓	37L6871	☎	☎
Rack Power Distribution Unit - Israel Line Cord			✓	✓	37L6872	☎	☎
NetBAY Server Dual Power Cord Distribution Unit - Italian Line Cord			✓	✓	37L6873	☎	☎
Rack Power Distribution Unit - Italian Line Cord			✓	✓	37L6874	☎	☎

Description	xSeries 205	xSeries 225	xSeries 235	xSeries 255	Part Number	ESP (Excl. VAT) Euro	ESP (CHF) Incl VAT
NetBAY Server Dual Power Cord Distribution Unit - South African Line Cord			✓	✓	37L6875	☎	☎
Rack Power Distribution Unit - South African Line Cord			✓	✓	37L6876	☎	☎
NetBAY Single Phase Front-End Power Distribution Unit with 120V line cord				✓	37L6883	323,90	494.00
RSA2 w/ US Line Cord	✓	✓	✓	✓	59P2984	611,00	893.00
Remote Supervisor Adapter II - EU	✓	✓	✓	✓	59P2986	611,00	893.00
Remote Supervisor Adapter II - Danish	✓	✓	✓	✓	59P2987	611,00	893.00
Remote Supervisor Adapter II - South Africa/India	✓	✓	✓	✓	59P2988	611,00	893.00
Remote Supervisor Adapter II - UK	✓	✓	✓	✓	59P2989	611,00	893.00
Remote Supervisor Adapter II - Swiss	✓	✓	✓	✓	59P2990	611,00	893.00
Remote Supervisor Adapter II - Italian	✓	✓	✓	✓	59P2991	611,00	893.00
Remote Supervisor Adapter II - Israel	✓	✓	✓	✓	59P2992	611,00	893.00
Accessories							
Keyboards							
Stealth Black Preferred Keyboard	✓	✓		✓	22P732y	☎	☎
Stealth Black Space Saver II Keyboard	✓	✓	✓	✓	28L36yy	☎	☎
Stealth Black Preferred USB Keyboard with 2-Port USB Hub	✓	✓		✓	10K385x	☎	☎
Stealth Black Wireless Keyboard and Mouse Kit	✓				22P51xx	52,00	77.00
Stealth Black TrackPoint USB Space Saver Keyboard	✓	✓		✓	22P51yy	☎	☎
Pointing Devices							
IBM Sleek 2-Button Mouse - Stealth Black (PS/2)	✓	✓	✓	✓	28L3675	14,00	20.00
Other							
USB - Parallel Printer Cable			✓	✓	19K4164	27,00	60.00

IBM @server xSeries & IntelliStation Configurators

The IBM Configuration and Options Guide (updated monthly) provides hardware compatibility for most currently marketed @server xSeries Servers and Options by IBM (OBI). It can be downloaded from ibm.com/pc/europe/configurators and viewed or printed using Adobe Acrobat Reader Version 3.0 (www.adobe.com/prodindex/acrobat/readstep.html) or later. This tool does not contain pricing.

The IBM @server xSeries servers and IntelliStation Sales Configuration Aid (updated every two weeks) gives full configuration and quote functionality for currently marketed systems and options. The tool is available in Lotus123 and Microsoft Excel formats from ibm.com/pc/europe/configurators. The Microsoft Excel version includes a Wizard interface for ease of use. Country selection of part numbers and prices is available within the tool.

The @server xSeries Rack Configurator (updated as required) is an application program that provides hardware compatibility with IBM NetBAY racks and rack-mountable systems and subsystems. It provides configuration assistance with power and I/O cabling, UPS sizing, rack component selection and positioning. It is recommended that all rack configurations be validated by utilizing this tool. It can be downloaded from ibm.com/pc/europe/configurators and is supported by Windows 3.1 or higher, Windows 95/NT or Win OS/2.

The ServerProven Compatibility Web site (updated monthly) is found at ibm.com/pc/us/compat and contains compatibility information on Options, servers and NOS as well as hot-plug, failover, clustering and other support. It is recommended that configurations derived from the Configuration tools be checked for the desired NOS support by accessing this Web site.

IBM @server xSeries Accessories & Upgrades (Models 305 - 450)

Description	xSeries 305	xSeries 335	xSeries 343	xSeries 345	xSeries 360	xSeries 440	xSeries 450	Part Number	ESP (Excl. VAT) Euro	ESP (CHF) Incl VAT
Memory										
DIMM/SDRAM										
256MB PC1600 CL2 ECC DDR SDRAM RDIMM					✓			33L3281	115,00	173.00
512MB PC1600 CL2 ECC DDR SDRAM RDIMM					✓			33L3283	277,00	406.00
1GB PC1600 CL2 ECC DDR SDRAM RDIMM					✓			33L3285	748,00	1,120.00
XB 512MB PC133 ECC SDRAM Registered DIMM Memory			✓			✓		33L3324	288,00	432.00
XB 1GB PC133 ECC SDRAM Registered DIMM Memory			✓					33L3326	748,00	1,120.00
256MB PC2100 CL2.5 ECC DDR SDRAM RDIMM	✓	✓		✓				33L5037	115,00	173.00
512MB PC2100 CL2.5 ECC DDR SDRAM RDIMM	✓	✓		✓				33L5038	288,00	432.00
1GB PC2100 CL2.5 ECC DDR SDRAM RDIMM	✓	✓		✓				33L5039	748,00	1,120.00
RDIMM/SDRAM/ECC										
1GB PC133 ECC SDRAM Registered DIMM Memory for xSeries						✓		31P8300	1.150,00	1,720.00
Processor Upgrades										
Other										
xSeries 1.0 GHz 1.5 MB L3 Cache Upgrade with Itanium 2 Processor							✓	59P5104	4.600,00	6,900.00
xSeries 1.0 GHz 3 MB Cache Upgrade with Itanium 2 Processor							✓	59P5105	8.400,00	12,590.00
Pentium III										
xSeries 900 MHz 1.5 MB L3 Cache Upgrade with Itanium 2 Processor							✓	59P5103	2.530,00	3,790.00
Xeon										
2.6 GHz 400MHz 512KB L2 Cache Xeon Processor		✓						02R8957	666,00	999.00
2.8 GHz 400MHz 512KB L2 Cache Xeon Processor		✓						02R8958	1.020,00	1,520.00
1.4GHz 512KB L3 Cache Upgrade with Xeon Processor MP						✓		32P8705	2.760,00	4,140.00
1.5GHz 512KB L3 Cache Upgrade with Xeon Processor MP						✓		32P8706	4.600,00	6,900.00
1.6GHz 1MB L3 Cache Upgrade with Xeon Processor MP						✓		32P8707	8.280,00	12,420.00
2.0GHz 400MHz 512KB L2 Cache Xeon Processor				✓				33P2931	483,00	724.00
2.4GHz 400MHz 512KB L2 Cache Xeon Processor				✓				37L3533	519,00	763.00
2.0GHz 400MHz 512KB L2 Cache Xeon Processor		✓						59P5100	483,00	724.00
2.4GHz 400MHz 512KB L2 Cache Xeon Processor		✓						59P5102	519,00	763.00
2.8BGHz 533MHz 512KB L2 Cache Xeon Processor		✓						73P6382	1.020,00	1,520.00
Storage										
Adapters										
FAStT500 Host Adapter		✓		✓	✓	✓		00N6881	1.020,00	1,500.00
ServeRAID-4Mx Ultra160 SCSI Controller		✓		✓	✓	✓		06P5736	1.270,00	1,870.00
ServeRAID-4Lx Ultra160 SCSI Controller	✓	✓		✓	✓	✓		06P5740	461,00	678.00
FAStT200 Redundant RAID Controller		✓		✓				19K1121	6.980,00	10,580.00
ServeRAID-5i Controller				✓				25P3492	570,00	846.00
ServeRAID-4H Ultra160 SCSI Controller		✓			✓	✓		37L6889	1.190,00	1,740.00
IBM ATA 133 RAID Controller	✓	✓						71P8592	152,00	223.00
Cables										
SCSI External 2m Cable	✓	✓		✓	✓	✓		01K8027	45,11	83.00
Netfinity Fibre Channel 25m Short-Wave Cable		✓		✓	✓	✓		03K9305	215,00	316.00
Netfinity Fibre Channel 5m Short-Wave Cable		✓		✓	✓	✓		03K9306	109,00	160.00
Netfinity Fibre Channel Long-Wave GBIC		✓		✓	✓	✓		03K9307	933,00	1,410.00
Netfinity Fibre Channel Short-Wave GBIC		✓		✓	✓	✓		03K9308	253,00	372.00
xSeries 2m external LVD SCSI cable	✓	✓		✓	✓	✓		03K9310	77,71	134.00
xSeries 4.2m external LVD SCSI cable	✓	✓		✓	✓	✓		03K9311	109,23	190.00

Description	xSeries 305	xSeries 335	xSeries 343	xSeries 345	xSeries 360	xSeries 440	xSeries 450	Part Number	ESP (Excl. VAT) Euro	ESP (CHF) Incl VAT
250mm KVM Conversion Option (Short KCO)	✓		✓	✓	✓	✓		32P1636	640,00	941.00
C2T Conversion Option (CTO)		✓	✓	✓	✓	✓		32P1637	205,00	302.00
1.5M KVM Conversion Option (Long KCO)			✓	✓	✓	✓		32P1652	640,00	941.00
Netfinity Fibre Channel 1m Cable		✓		✓	✓	✓		36L9973	60,00	91.00
Netfinity 20m Ultra2 SCSI Cable	✓	✓		✓	✓	✓		37L7101	256,51	408.00
xSeries 440 4-Way to 16-Way Configuration Kit						✓		73P8734	8.500,00	12,450.00
xSeries 440 8-Way to 16-Way Configuration Kit						✓		73P8735	2.750,00	4,020.00
CD-ROM Drives										
ThinkPad 24X-10X CD-ROM Ultrabay 2000 Drive						✓		05K9233	154,89	247.00
USB Portable CD-ROM Drive		✓						33L5151	251,00	370.00
Diskette Drives										
USB Portable Diskette Drive		✓						05K9276	83,15	124.00
ThinkPad Removable Diskette Drive						✓		08K9603	80,43	123.00
Hard Disk Drives/Hot Swap										
18.2GB 10K Ultra160 SCSI Hot-Swap SL HDD		✓		✓	✓	✓		06P5754	324,00	471.00
36.4GB 10K Ultra160 SCSI Hot-Swap SL HDD		✓		✓	✓	✓		06P5755	311,00	466.00
73.4GB 10K Ultra160 SCSI Hot Swap SL HDD		✓		✓	✓	✓		06P5756	506,00	760.00
18.2GB 15K rpm Ultra 160 SCSI Hot-Swap SL HDD		✓		✓		✓		06P5767	368,00	553.00
36.4GB 15K rpm Ultra 160 SCSI Hot-Swap SL HDD		✓		✓		✓		06P5768	483,00	724.00
36.4GB 15K rpm Ultra 320 SCSI Hot-Swap SL HDD		✓		✓				06P5776	483,00	724.00
36.4 GB 10K rpm Ultra320 SCSI Hot-Swap HDD		✓		✓				32P0726	311,00	466.00
73.4 GB 10K rpm Ultra320 SCSI Hot-Swap HDD		✓		✓				32P0727	506,00	760.00
146.8 GB 10K rpm Ultra320 SCSI Hot-Swap HDD		✓		✓				32P0728	920,00	1,380.00
36.4GB 15K rpm Ultra 320 SCSI Hot-Swap SL HDD		✓		✓				32P0734	483,00	724.00
73GB 15K rpm Ultra 320 SCSI Hot-Swap SL HDD		✓		✓				32P0735	920,00	1,380.00
146.8GB 10,000rpm Ultra 160 SCSI Hot-Swap HDD		✓			✓	✓	✓	32P0750	920,00	1,380.00
Hard Disk Drives/Non Hot Swap										
18.2GB 10K Ultra160 SCSI SL HDD	✓							06P5750	250,00	365.00
36.4GB 10K Ultra160 SCSI SL HDD	✓		✓					06P5751	311,00	466.00
73.4GB 10K Ultra160 SCSI SL HDD	✓							06P5752	506,00	760.00
18.2GB 15K rpm Ultra 160 SCSI SL HDD	✓							06P5765	299,00	438.00
36.4GB 15K rpm Ultra 160 SCSI SL HDD	✓							06P5766	483,00	724.00
80GB ATA/100 EIDE SL Hard Disk Drive (7200rpm)	✓	✓						09N4226	196,00	289.00
40GB ATA/100 EIDE SL Hard Disk Drive (7200rpm)	✓	✓						22P7157	176,00	258.00
36.4 GB 10K rpm Ultra320 SCSI HDD	✓							32P0723	311,00	466.00
73.4 GB 10K rpm Ultra320 SCSI HDD	✓							32P0724	506,00	760.00
146.8 GB 10K rpm Ultra320 SCSI HDD	✓							32P0725	920,00	1,380.00
36.4GB 15K rpm Ultra 320 SCSI Non Hot-Swap SL HDD	✓							32P0784	483,00	724.00
73GB 15K rpm Ultra 320 SCSI Non Hot-Swap SL HDD	✓							32P0785	920,00	1,380.00
Other										
External Multimode LVD/SE SCSI Terminator		✓						00N7956	46,74	71.00
NetBAY 4 Port LCM	✓	✓	✓	✓	✓	✓		1735L04	868,00	1,270.00
NetBAY 16 Port RCM	✓	✓	✓	✓	✓	✓		1735R16	5.370,00	7,890.00
IBM 3.5 M Interconnect Management Cable Kit					✓	✓		31P6087	60,00	88.00
IBM 8 M Interconnect Management Cable Kit					✓	✓		31P6088	97,00	142.00
IBM Modular Fibre Channel Option		✓		✓	✓	✓		59P6657	5.160,00	7,550.00
IBM Modular LTO Drive Upgrade Option		✓		✓	✓	✓		59P6658	6.870,00	10,060.00
IBM Modular LTO Cartridge Magazine		✓		✓	✓	✓		59P6659	544,00	797.00
IBM Modular SDLT Drive Upgrade Option		✓		✓	✓	✓		59P6660	8.020,00	11,740.00
IBM Modular SDLT Cartridge Magazine		✓		✓	✓	✓		59P6661	544,00	797.00
IBM Modular Elevator Link Option		✓		✓	✓	✓		59P6662	2.520,00	3,690.00
IBM Modular Elevator Link Extension Option		✓		✓	✓	✓		59P6663	457,00	668.00
Single Channel Ultra320 SCSI Controller		✓		✓		✓		71P8594	335,00	489.00

Description	xSeries 305	xSeries 335	xSeries 343	xSeries 345	xSeries 360	xSeries 440	xSeries 450	Part Number	ESP (Excl. VAT) Euro	ESP (CHF) Incl VAT
Switches										
IBM TotalStorage SAN Switch Enhanced		✓		✓		✓		2109F16	22.670,00	33,360.00
IBM TotalStorage SAN Fibre Channel Switch Model F08		✓		✓				3534F08	6.240,00	9,170.00
Tape Drives										
3570 C21 Tape Drive					✓			08L6487	☎	☎
Magstar MP Tape Library (3570-C21)					✓			08L6579	☎	☎
20/40GB DDS/4 4mm Internal Tape Drive	✓	✓						00N7991	762,00	1,120.00
120/240GB Internal DDS/4 4mm Tape Autoloader	✓	✓		✓				00N7992	2.120,00	3,140.00
100/200GB Linear Tape Open Tape Drive				✓	✓	✓		00N8016	4.380,00	6,490.00
100/200GB LTO Half-High Tape Drive		✓		✓	✓	✓		24P2396	3.860,00	5,730.00
40/80GB Half-High DLTVS Internal SCSI Tape Drive		✓		✓				24P2398	1.730,00	2,550.00
2U SDLT Rack Autoloader with UK line cord	✓			✓				49P3240	13.340,00	19,420.00
2U SDLT Rack Autoloader with EU1 line cord	✓			✓				49P3241	13.340,00	19,420.00
2U SDLT Rack Autoloader with Denmark line cord	✓			✓				49P3242	13.340,00	19,420.00
2U SDLT Rack Autoloader with India/SA line cord	✓			✓				49P3243	13.340,00	19,420.00
2U SDLT Rack Autoloader with Swiss line cord	✓			✓				49P3244	13.340,00	19,420.00
2U SDLT Rack Autoloader with Italy line cord	✓			✓				49P3245	13.340,00	19,420.00
2U SDLT Rack Autoloader with Israel line cord	✓			✓				49P3246	13.340,00	19,420.00
IBM SDLT/LTO Modular Tape Library - UK Line Cord		✓		✓	✓	✓		59P6672	8.710,00	12,740.00
IBM SDLT/LTO Modular Tape Library - EU Line Cord		✓		✓	✓	✓		59P6673	8.710,00	12,740.00
IBM SDLT/LTO Modular Tape Library - Danish Line Cord		✓		✓	✓	✓		59P6674	8.710,00	12,740.00
IBM SDLT/LTO Modular Tape Library - India/South African Line Cord		✓		✓	✓	✓		59P6675	8.710,00	12,740.00
IBM SDLT/LTO Modular Tape Library - Swiss Line Cord		✓		✓	✓	✓		59P6676	8.710,00	12,740.00
IBM SDLT/LTO Modular Tape Library - Italian Line Cord		✓		✓	✓	✓		59P6677	8.710,00	12,740.00
IBM SDLT/LTO Modular Tape Library - Israel Line Cord		✓		✓	✓	✓		59P6678	8.710,00	12,740.00
IBM SDLT/LTO Modular Tape Library		✓		✓	✓	✓		59P667X	☎	☎
IBM 160/320GB SDLT Tape Drive		✓		✓	✓	✓		59P6736	5.330,00	7,800.00
200/400GB LTO Full-High Tape Drive	✓	✓		✓	✓	✓		59P6744	5.750,00	8,620.00
Desktop Expansion										
Other										
USB Serial Parallel Adapter						✓		22P5298	93,00	142.00
External Storage Expansion										
Other										
Netfinity FAStT500 RAID Controller - U.S. line cord, English publications		✓		✓		✓		00N6913	40.190,00	☎
NF FAStT500 RAID Controller - Euro line cord, English publications		✓		✓		✓		00N6914	40.190,00	☎
Netfinity FAStT500 RAID Controller - Danish line cord, English publications		✓		✓		✓		00N6918	☎	☎
Netfinity FAStT500 RAID Controller - Israel line cord, English publications		✓		✓		✓		00N6919	☎	☎
Netfinity FAStT500 RAID Controller - Italian line cord, English publications		✓		✓		✓		00N6920	☎	☎
Netfinity FAStT500 RAID Controller - S. African line cord, English publications		✓		✓		✓		00N6921	☎	☎
Netfinity FAStT500 RAID Controller - Swiss line cord, English publications		✓		✓		✓		00N6922	☎	60,920.00
Netfinity FAStT500 RAID Controller - UK line cord, English publications		✓		✓		✓		00N6926	☎	☎
Flat Panel Monitors										
Flat Panel Essential										
T541 15.0in Analogue TFT LCD (15.0in/380mm VIS) TCO-99 Stealth Black Colour Monitor				✓				T41ABxx	341,00	517.00
CRT Monitors										
CRT Essential										
G78 17" FLAT (16.0" VIS) 85KHz 0.25mm 1280x1024/75Hz TCO-99 NH Stealth Black Colour Monitor	✓	✓		✓		✓		T274Axx	256,00	377.00
Networking										
Adapters										
PCI Ultra160 SCSI Adapter	✓	✓		✓	✓	✓		19K4646	184,00	271.00
Adapters/Ethernet										

Description	xSeries 305	xSeries 335	xSeries 343	xSeries 345	xSeries 360	xSeries 440	xSeries 450	Part Number	ESP (Excl. VAT) Euro	ESP (CHF) Incl VAT
Netfinity 10/100 Ethernet Security Adapter 2	✓	✓		✓	✓	✓		06P3601	128,80	192.00
10/100 EtherLink PCI Server Adapter by 3Com	✓	✓		✓	✓	✓		09N9901	115,21	183.00
IBM 10/100 Dual Port Server Adapter	✓	✓		✓	✓	✓		22P4901	252,70	386.00
PRO/1000 XT Server Adapter by Intel + Software	✓	✓		✓	✓	✓		22P6801	215,00	316.00
NetXtreme 1000 SX Fibre Ethernet Adapter		✓						22P7801	654,00	962.00
NetXtreme 1000 T Ethernet Adapter		✓		✓	✓	✓	✓	31P6301	159,00	231.00
Adapters/Other										
Serial I/O SST8P DB PCI Adapter	✓							37L1414	354,87	566.00
Adapters/Token Ring										
16/4 Token-Ring Low Profile PCI Management Adapter	✓			✓				07P2701	188,04	293.00
16/4 Token-Ring PCI Management Adapter	✓	✓		✓	✓	✓		34L5001	166,30	266.00
High-Speed 100/16/4 Token-Ring PCI Management Adapter		✓		✓	✓	✓		34L5201	213,04	332.00
Cables										
IBM 3.5 M Remote I/O Cable Kit					✓	✓		31P6102	733,00	1,070.00
IBM 8 M Remote I/O Cable Kit					✓	✓		31P6103	979,00	1,430.00
Other										
FAStT500 Mini Hub		✓						00N6882	988,00	1,500.00
Power										
Other										
APC Smart UPS 1400RMB - Danish					✓			14RIDEN	☎	☎
APC Smart UPS 1400RMB - Other EMEA Countries					✓			14RIEUR	793,44	1,300.00
APC Smart UPS 1400RMB - Israel					✓			14RIISR	☎	☎
APC Smart UPS 1400RMB - Italian					✓			14RIITA	☎	☎
APC Smart UPS 1400RMB - South African					✓			14RISAF	793,44	1,300.00
APC Smart UPS 1400RMB - Saudi Arabia					✓			14RISDI	793,44	1,300.00
APC Smart UPS 1400RMB - Swiss					✓			14RISWS	☎	☎
APC Smart UPS 1400RMB - UK English					✓			14RIUKM	☎	1,300.00
APC Smart UPS 3000RMB - Danish	✓	✓		✓	✓	✓		30RIDEN	☎	☎
APC Smart UPS 3000RMB - Other EMEA Countries	✓	✓		✓	✓	✓		30RIEUR	1.690,00	2,510.00
APC Smart UPS 3000RMB - Israeli	✓	✓		✓	✓	✓		30RIISR	☎	☎
APC Smart UPS 3000RMB - Italian	✓	✓		✓	✓	✓		30RIITA	☎	☎
APC Smart UPS 3000RMB - South African	✓	✓		✓	✓	✓		30RISAF	2.324,35	3,160.00
APC Smart UPS 3000RMB - Saudi Arabian	✓	✓		✓	✓	✓		30RISDI	☎	3,160.00
APC Smart UPS 3000RMB - Swiss	✓	✓		✓	✓	✓		30RISWS	☎	3,160.00
APC Smart UPS 3000RMB - UK English	✓	✓		✓	✓	✓		30RIUKM	☎	☎
NetBAY Server Dual Power Cord Distribution Unit - UK Line Cord	✓	✓		✓	✓	✓		06P6027	☎	☎
Rack Power Distribution Unit - UK Line Cord	✓	✓		✓	✓	✓		06P6028	☎	☎
APC SmartUPS5000 High Voltage International	✓	✓		✓	✓	✓		37L6862	3.060,00	4,540.00
NetBAY Server Dual Power Cord Distribution Unit - Saudi Arabian Line Cord	✓	✓		✓	✓	✓		37L6865	☎	☎
Rack Power Distribution Unit - Saudi Arabia Line Cord	✓	✓		✓	✓	✓		37L6866	☎	☎
NetBAY Server Dual Power Cord Distribution Unit - European Line Cord	✓	✓		✓	✓	✓		37L6867	☎	☎
Rack Power Distribution Unit - European Line Cord	✓	✓		✓	✓	✓		37L6868	239,66	364.00
NetBAY Server Dual Power Cord Distribution Unit - Danish/Swiss Line Cord	✓	✓		✓	✓	✓		37L6869	☎	630.00
Rack Power Distribution Unit - Danish/Swiss Line Cord	✓	✓		✓	✓	✓		37L6870	☎	364.00
NetBAY Server Dual Power Cord Distribution Unit - Israeli Line Cord	✓	✓		✓	✓	✓		37L6871	☎	☎
Rack Power Distribution Unit - Israel Line Cord	✓	✓		✓	✓	✓		37L6872	☎	☎
NetBAY Server Dual Power Cord Distribution Unit - Italian Line Cord	✓	✓		✓	✓	✓		37L6873	☎	☎
Rack Power Distribution Unit - Italian Line Cord	✓	✓		✓	✓	✓		37L6874	☎	☎
NetBAY Server Dual Power Cord Distribution Unit - South African Line Cord	✓	✓		✓	✓	✓		37L6875	☎	☎
Rack Power Distribution Unit - South African Line Cord	✓	✓		✓	✓	✓		37L6876	☎	☎

Description	xSeries 305	xSeries 335	xSeries 343	xSeries 345	xSeries 360	xSeries 440	xSeries 450	Part Number	ESP (Excl. VAT) Euro	ESP (CHF) Incl VAT
NetBAY Single Phase Front-End Power Distribution Unit with 120V line cord	✓	✓			✓	✓		37L6883	323,90	494.00
RSA2 w/ US Line Cord		✓		✓				59P2984	611,00	893.00
Remote Supervisor Adapter II - EU		✓		✓				59P2986	611,00	893.00
Remote Supervisor Adapter II - Danish		✓		✓				59P2987	611,00	893.00
Remote Supervisor Adapter II - South Africa/India		✓		✓				59P2988	611,00	893.00
Remote Supervisor Adapter II - UK		✓		✓				59P2989	611,00	893.00
Remote Supervisor Adapter II - Swiss		✓		✓				59P2990	611,00	893.00
Remote Supervisor Adapter II - Italian		✓		✓				59P2991	611,00	893.00
Remote Supervisor Adapter II - Israel		✓		✓				59P2992	611,00	893.00
350W Power Supply Option for x345				✓				59P4057	297,00	437.00
IBM NetBAY Single Phase 60 A Front-End Power Distribution Unit		✓		✓				73P5789	618,00	906.00
IBM NetBAY Single Phase 60 A Front-End Power Distribution Unit		✓		✓				73P5790	☎	☎
xSeries 514W Hot Swap Power Supply Option (International)				✓				74P4955	255,00	383.00
Accessories										
Keyboards										
Stealth Black Preferred Keyboard	✓	✓				✓		22P732y	☎	☎
Stealth Black Space Saver II Keyboard	✓	✓	✓	✓		✓		28L36yy	☎	☎
Stealth Black Preferred USB Keyboard with 2-Port USB Hub	✓	✓		✓		✓		10K385x	☎	☎
Stealth Black TrackPoint USB Space Saver Keyboard	✓	✓		✓		✓		22P51yy	☎	☎
Stealth Black Preferred Pro Full-size PS/2 Keyboard				✓				31P74xx	31,00	47.00
Pointing Devices										
IBM Sleek 2-Button Mouse - Stealth Black (PS/2)	✓	✓	✓	✓		✓		28L3675	14,00	20.00
Other										
USB - Parallel Printer Cable	✓	✓		✓		✓		19K4164	27,00	60.00

IBM @server xSeries & IntelliStation Configurators

The IBM Configuration and Options Guide (updated monthly) provides hardware compatibility for most currently marketed @server xSeries Servers and Options by IBM (OBI). It can be downloaded from ibm.com/pc/europe/configurators and viewed or printed using Adobe Acrobat Reader Version 3.0 (www.adobe.com/prodindex/acrobat/readstep.html) or later. This tool does not contain pricing.

The IBM @server xSeries servers and IntelliStation Sales Configuration Aid (updated every two weeks) gives full configuration and quote functionality for currently marketed systems and options. The tool is available in Lotus123 and Microsoft Excel formats from ibm.com/pc/europe/configurators. The Microsoft Excel version includes a Wizard interface for ease of use. Country selection of part numbers and prices is available within the tool.

The @server xSeries Rack Configurator (updated as required) is an application program that provides hardware compatibility with IBM NetBAY racks and rack-mountable systems and subsystems. It provides configuration assistance with power and I/O cabling, UPS sizing, rack component selection and positioning. It is recommended that all rack configurations be validated by utilizing this tool. It can be downloaded from ibm.com/pc/europe/configurators and is supported by Windows 3.1 or higher, Windows 95/NT or Win OS/2.

The ServerProven Compatibility Web site (updated monthly) is found at ibm.com/pc/us/compat and contains compatibility information on Options, servers and NOS as well as hot-plug, failover, clustering and other support. It is recommended that configurations derived from the Configuration tools be checked for the desired NOS support by accessing this Web site.

IBM Flat Panel Monitors

Highlights

Suitable for financial, medical, business and executive/reception areas, flat panel monitors are also slim lightweight alternatives to conventional CRT monitors in space- and energy-conscious environments

Thin Film Transistor (TFT) Liquid Crystal Display (LCD) technology ensures bright, sharp, flicker-free images with minimal glare and no geometric distortion

LCD technology generates lower electromagnetic emissions than CRT technology

Analogue, Hybrid (Analogue or Digital), Pivoting, Flip-screen and Dual-input models available

All monitors satisfy ENERGY STAR requirements for reducing power consumption

All our current monitors provide ISO 13406 part 2 capability, the international standard for flat panel monitor image quality, and have viewable image sizes ranging from 15 to 20.1 inches (380 - 510mm)

ThinkVision monitors incorporate ThinkVantage Design features to enhance usability and complement the system design, including ergonomic stands with internal cable management, direct access to auto-adjustment, brightness and input select, and a simpler On-Screen Display interface

IBM backs every one of these monitors with a three-year limited warranty, which includes the backlight

Flat Panel Monitor Positioning

T560

L170p

T860

L200p

T560 **T541L** **T541H** **T541**	**L170p*** **L170*** **T750** **T710**	**T860**	**L200p***
(15-inch)	**(17-inch)**	**(18-inch)**	**(20-inch)**

* ThinkVision Monitors

Viewable Image Size Range (Inches)

Flat Panel Monitors Model Comparison

	Model Name	Viewable Image Size	Brightness (cd/m2)	Contrast Ratio	H / V Viewing Angles	Top Flicker-free VESA Mode	Input Video Signal	Stand *	Black **	Part Number	Model Type	ESP (Excl. VAT) Euro	ESP (CHF) Incl VAT
Flat Panel - 15" (15" viewable image size)													
	T541	15" (380mm)	250	300:1	150 / 120	1024x768	Analogue	Tilt	✓	T12ABxx	9512-AB0	529,00	779.00
TS	T541	15" (380mm)	250	300:1	150 / 120	1024x768	Analogue	Tilt	✓	T41ABxx	9512-AB1	341,00	517.00
	T541H	15" (381mm)	250	300:1	160 / 130	1024x768	Hybrid	Tilt	✓	T12HBxx	9512-HB0	560,00	825.00
	T541L	15" (380mm)	250	300:1	160 / 130	1024x768	Hybrid	LTS	✓	T12LBxx	9512-HBL	553,00	807.00
	T560	15" (381mm)	250	300:1	120 / 90	1024x768	Hybrid	LTPF	✓	T56HGxx	6656-HG2	694,00	1.010.00
Flat Panel - 17" (17" viewable image size)													
	T710	17" (432mm)	250	350:1	150 / 125	1280x1024	Analogue	Tilt	✓	T71ABxx	6637-AB0	827,00	1.220.00
	T750	17" (432mm)	250	500:1	170 / 170	1280x1024	Hybrid	T+S	✓	T75HGxx	6657-HG0	938,00	1.360.00
ThinkVision Flat Panel - 17" (17" viewable image size)													
	L170	17" (432mm)	250	350:1	140 / 120	1280x1024	Analogue	Tilt	✓	T34ABxx	6734-AB1	606,00	893.00
TS	L170	17" (432mm)	250	350:1	140 / 120	1280x1024	Analogue	Tilt	✓	T34ANxx	6734-AN1	523,00	789.00
	L170p	17" (432mm)	250	500:1	170 / 170	1280x1024	Hybrid	LTS	✓	T34HBxx	6734-HB0	663,00	978.00
Flat Panel - 18.1" (18.1" viewable image size)													
	T860	18.1" (460mm)	250	300:1	160 / 160	1280x1024	Hybrid	LTS	✓	T4HB0xx	9494-HB0	1.250,00	1.840.00
ThinkVision Flat Panel - 20.1" (20.1" viewable image size)													
	L200p	20.1" (510mm)	250	400:1	170 / 170	1600x1200	Hybrid	LTS	✓	T36HBxx	6736-HB0	1.890,00	2.760.00

TS = TopSeller

* LTS = Lift, Tilt, Swivel; LTPF = Lift, Tilt, Pivot, Flip; T+S = Tilt, Swivel

** All monitors meet the TCO-99 environmental label and associated emission limits

Selected Accessories & Upgrades			
15in Flat Panel Monitor Speaker Bezel	22P8986	93,00	135.00
IBM Radial Arm	19K4464	203,25	322.00
T860 Speaker/USB Hub - Stealth Black	19K1901	131,00	191.00
ThinkPad Monitor Stand 2001	22P5265	96,00	142.00

IBM CRT Monitors

Highlights

Essential CRT Monitors deliver solid performance, reliability and value, and are ideal for home office and small to medium sized businesses and also work like a charm running standard business applications in any corporate setting

Performance CRT Monitors thrive in graphics-intensive and scientific applications where their flat FD Trinitron screens provide remarkable crispness and outstanding colour reproduction

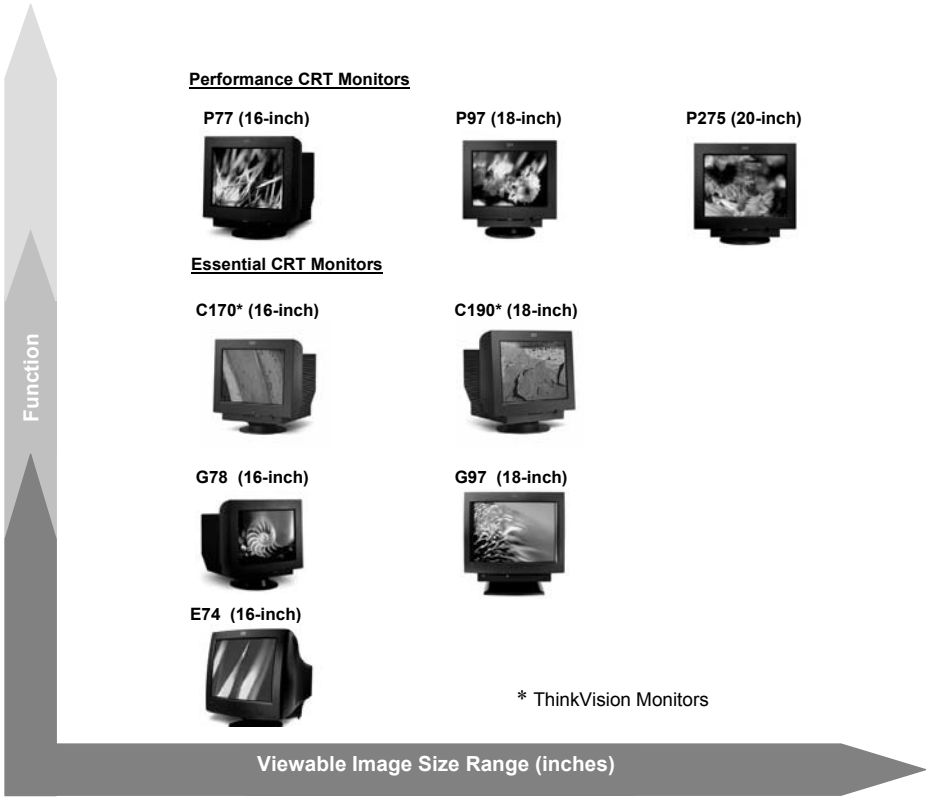
All Monitors satisfy ENERGY STAR requirements for reducing power consumption

All our current monitors provide ISO 9241 part 3 capability, the international standard for CRT monitor image quality, and have viewable image sizes ranging from 15.9 to 19.8 inches (404 - 503mm)

ThinkVision monitors incorporate ThinkVantage Design features to enhance usability and complement the system design, including a simpler On-Screen Display interface

IBM backs every one of these monitors with a three-year limited warranty

CRT Monitor Positioning



CRT Monitors Model Comparison

	Model name	Viewable image size	Screen type	Dot pitch (mm)	Horizontal frequency	Top flicker-free VESA mode	Emissions compliance	Black	Part number	Model type	ESP (Excl. VAT) Euro	ESP (CHF) Incl VAT
CRT Essential												
	E74	15.9" (404mm)	FST CRT	0.27	30kHz / 69kHz	1024x768 at 85Hz NI	MPR-II	✓	T0747XX	6307-47N	185,00	279.00
TS	E74	15.9" (404mm)	FST CRT	0.27	30kHz / 69kHz	1024x768 at 85Hz NI	MPR-II	✓	T07B7XX	6307-47B	152,00	231.00
	G78	16" (406mm)	Flat CRT	0.24	30kHz / 85kHz	1280x1024 at 75Hz NI	MPR-II, TCO-99	✓	T274Axx	6627-4AN	256,00	377.00
	G78	16" (406mm)	Flat CRT	0.24	30kHz / 85kHz	1280x1024 at 75Hz NI	MPR-II,TCO 03	✓	T27KAxx	6627-KAN	256,00	377.00
	E74	15.9" (404mm)	FST CRT	0.27	30kHz / 69kHz	1024x768 at 85Hz NI	MPR-II	✓	T3247xx	6332-47N	190,00	279.00
	E74	15.9" (404mm)	FST CRT	0.27	30kHz / 69kHz	1024x768 at 85Hz NI	MPR-II,TCO-95	✓	T3267xx	6332-67N	200,00	293.00
	C170	16" (406mm)	Flat CRT	0.25	30kHz / 85kHz	1280x1024 at 75Hz NI	TCO-99	✓	T3766XX	6737-66N	228,00	346.00
TS	C170	16" (406mm)	Flat CRT	0.25	30kHz / 85kHz	1280x1024 at 75Hz NI	TCO-99	✓	T376BXX	6737-66B	☎	☎
	C170	16" (406mm)	Flat CRT	0.25	30kHz / 85kHz	1280x1024 at 75Hz NI	TCO 03	✓	T37K6XX	6737-K6N	228,00	346.00
	C190	18" (457mm)	Flat CRT	0.25	30kHz / 96kHz	1600x1200 at 75Hz NI	TCO-99	✓	T3960XX	6739-60N	306,00	461.00
	C190	18" (457mm)	Flat CRT	0.25	30kHz / 96kHz	1600x1200 at 75Hz NI	TCO 03	✓	T39K0XX	6739-K0N	306,00	461.00
	G97	18" (457mm)	FST CRT	0.26	30kHz / 96kHz	1600x1200 at 75Hz NI	MPR-II,TCO-99	✓	T44ANxx	6634-4AN	235,00	355.00
CRT Performance												
	P97	18" (456mm)	FD Trinitron	0.24	30kHz / 107kHz	1600x1200 at 85Hz NI	MPR-II,TCO-95	✓	T1U3Nxx	6651-U3N	494,00	753.00
	P77	16" (407mm)	FD Trinitron	0.24	30kHz / 94kHz	1600x1200 at 75Hz NI	MPR-II,TCO-95	✓	T39U3XX	6639-U3N	373,00	549.00
	P275	19.8" (503mm)	FD Trinitron	0.24	30kHz / 130kHz	2048x1536 at 75Hz NI	MPR-II,TCO-95	✓	T52U3xx	6652-U3N	991,00	1,460.00

Selected Accessories & Upgrades			
ThinkPad Monitor Stand 2001	22P5265	96,00	142.00
FlatPanel Speakers - EU Power Cord	10K0160	96,19	☎
FlatPanel Speakers - Danish Power Cord	10K0161	☎	☎
FlatPanel Speakers - South African Power Cord	10K0162	☎	☎
FlatPanel Speakers - UK Power Cord	10K0163	☎	☎
FlatPanel Speakers - Swiss Power Cord	10K0164	☎	147.00
FlatPanel Speakers - Italian Power Cord	10K0165	☎	☎
FlatPanel Speakers - Israeli Power Cord	10K0166	☎	☎

TS = TopSeller WH = Workhorse

IBM ServicePac for Hardware Maintenance

Businesses today are increasingly dependent on information Technology and with the rapid evolution and complexity of today's computing environment; the need for responsive technical support of all kinds is greater than ever. IBM has responded to this need by developing the IBM ServicePac family of service offerings. Each ServicePac has been created to meet a specific requirement in the marketplace whether it is for maintenance of a hardware product, telephone technical support or installation services.

The Benefits
ServicePac provides a convenient, affordable way for businesses of all sizes to have access to a wide range of information technology support services available from IBM. With ServicePac you can purchase quality 'off the shelf' services designed to meet your priorities, requirements and budgets. They offer a fixed term, fixed price service solution, which can be ordered at the same time as you order your machine.

ServicePacs for hardware maintenance should be ordered at the same time as the hardware and must be purchased within 30 days of the hardware purchase. Please select from the attached guide the ServicePac number required for the machine type and model that the customer has purchased.

The service and typical response times that are provided with the packs, within 100 kms of an IBM service centre can be seen below.

Electronic ServicePacs
IBM has made it easy to activate ServicePac on-line via the Internet. Electronic ServicePac is always available for ordering and never out of stock as there are no hard copy registration forms to deliver. On-line registration provides ease of use, and clarity and is particularly convenient for large volumes of machines being registered in one country. It also allows for the attachment of PC files containing machine type inventories in one go, saving time and expense, with no more hard copy registration forms to return. Once an Electronic ServicePac order is placed the customer is given a unique registration number to enable on-line registration.

ThinkPad notebooks

Upgrade and / or extend the ThinkPad warranty service with IBM ServicePac maintenance. With 3 year options available (including the product warranty period) and, a range of service types including customer carry in, courier or on site, there is a wide range from which to choose.

For customer carry in and courier options the typical repair time is 2 business days in the IBM depot plus transit time and, the typical response time for on-site services is next business day.

International Service Enhancement (ISE) for IBM ThinkPads
International Service Enhancement is available to customers who travel to countries where their IBM ThinkPad product (as identified by the 4 digit machine type) is serviced by IBM or IBM Authorised representatives. To benefit from this service the customer must register their machine by calling IBM at +44 (0) 1475 893638.

NetVista desktops

Upgrade options include 3 years on site maintenance service with next business day typical response time or, 3 years customer carry in service.

Hardcopy (HC) ServicePac

BP/customer receives a little shrink-wrapped booklet, multilingual, containing:
- user information/explanation - what the booklet is and how to handle
- terms and conditions - contract conditions
- registration card - to be filled in and sent back to IBM - with this the customer is accepting the terms and conditions and allows IBM to register the machine with the SPac contract in their entitlement system
- envelope with IBM address - to send back the completed reg. card
- sticker - to attach to the corresponding machine.

xSeries servers

3 years of on-site maintenance service. Most ServicePacs provide a 4 hour typical response time with options for 7 day 24 hour cover. All xSeries ServicePacs include attached Expansion enclosures with machine types of 3517, 3518 and 3520.

Expansion units

3 years of on-site maintenance service (including the product warranty period) with a 4 hour typical response time for EXP and FAStT units, same day response for RXE units.

Flat panel & CRT monitors

For monitors and flat panel displays - upgrade warranty service to 3 years on site exchange service.

Unless otherwise indicated, PC ServicePacs (excluding ThinkPad) include cover for the IBM monitor (including flat panel displays with a base warranty of 3 years)

The period of cover provided by all ServicePac maintenance includes the original product warranty period.

Electronic (ePac) ServicePac

Electronic (ePac) ServicePac: same service level like corresponding HC Pack, but to be ordered via special ePac part number - no physical delivery, but an e-mail with authorization no to allow the customer to register ePac via a special internet website. Customer will find the terms and conditions (contract with IBM) on this website and has to accept them before he can register the ePac with IBM.

For more information and to register, visit the Electronic ServicePac web site at **ibm.com**/services/servicepac/emea

IBM ServicePacs Listings

Machine Description	Machine Type	Pac No.	Hardcopy (HC) ServicePac Part No.	Electronic (E) ServicePac Part No.
IBM ThinkPad – 3 year onsite service, next business day response				
I Series	1161	PC44*	14J1375	14J1490
I Series	1171			
R32	2658			
R30, R31	2656			
A21E, A22E	2655			
A30M, A31M	2652			
A21M, A21M, A23M	2628			
R40	2681			
R40e	2684			
R40	2722			
G40	2388			
X22, X23, X24	2662	PC45*	14J1376	14J1491
T30	2366			
T40	2373			
A30P, A31P	2653			
T21, T22, T23	2647			
A21P, A22P	2629			
R30, R31	2657			
R32	2659			
X30	2672			
R40	2682			
R40	2723			

IBM ThinkPad – 3 year courier collect service, next business day response				
R32	2658	PC56*	87H8399	87H8405
R30, R31	2656			
A21E, A22E	2655			
A30M, A31M	2652			
A21M, A21M, A23M	2628			
i Series	1171			
i Series	1161			
R40	2681			
R40e	2684			
R40	2722			
G40	2388			
T30	2366	PC57*	87H8401	87H8407
T40	2373			
A21P, A22P	2629			
T21, T22, T23	2647			
A30P, A31P	2653			
R30, R31	2657			
R32	2659			
X22, X23, X24	2662			
X30	2672			
R40	2682			
R40	2723			

IBM ThinkPad – 3 year, customer carry in service				
R32	2658	PC55*	87H8397	87H8403
R30, R31	2656			
A21E, A22E	2655			
A30M, A31M	2652			
A21M, A21M, A23M	2628			
i Series	1171			
i Series	1161			
R40	2681			
R40e	2684			
R40	2722			
G40	2388			

* These ServicePacs do not include cover for the ThinkPad battery

Machine Description	Machine Type	Pac No.	Hardcopy (HC) ServicePac Part No.	Electronic (E) ServicePac Part No.
IBM NetVista – 3 year onsite service, next business day response				
X41 All Models	2283	PC58*	14J1510	14J1511
X40 All Models	6643			
A21i / A21 All Models	2257	PC40*	14J1452	14J1488
A20 All Models	6266			
A20 All Models	6269			
A20 All Models	6270			
A21i / A21 All Models	6339			
A21i / A21 All Models	6341			
A21i / A21 All Models	6342			
A22p All Models	6343			
A22p All Models	6349			
A22p All Models	6350			
A22p All Models	6823			
A22p All Models	6825			
A40 All Models	6831			
40 All Models	6832			
A30/A30p All Models	8309			
A30/A30p All Models	8310			
A30/A30p All Models	8313			
A50P All Models	8193			
A50P All Models	8194			
M42 All Models	8317			
S42 All Models	8317			
M41 All Models	6790	PC107*	61P7342	61P7258
	6792			
	6794			
X41 All Models	6274			
M42 All Models	8301			
	8303			
	8305			
	8307			
	8319			
M50 All Models	8185			
	8187			
	8189			
X40i All Models	2179	PC65*	14J1526	14J1527
A40i All Models	2251	PC79*	N/A	87H8553
A40i All Models	2271			
A20i All Models	6276			

IBM NetVista (Thin Client models) – 3 year onsite exchange service, next business day response				
N2200 All Models	8363	PC90*	N/A	87H8589
N2800 All Models	8364			
N70 All Models	8366			

* please note: Monitors & flat panel displays are not covered in these ServicePacs

Machine Description	Machine Type	Pac No.	Hardcopy (HC) ServicePac Part No.	Electronic (E) ServicePac Part No.
IBM Flat Panel Monitors – 3 year onsite exchange service, next business day response				
T710 All Models	6637	MN02	14J1433	14J1486
T545 All Models	6653			
T560 All Models	6656			
T750 All Models	6657			
T84H All Models	6658			
L170 All Models	6734			
L170P All Models	6734			
L200P All Models	6736			
T56 All Models	9493			
T860 All Models	9494			
T74 All Models	9495			
T86 All Models	9497			
T540 All Models	9511			
T541H All Models	9512			
T55 All Models	9513			
T85 All Models	9519			

IBM CRT Monitors – 3 year onsite exchange service, next business day response				
E54 All Models	6331	MN01	14J1432	14J1485
E74 All Models	6332			
E74M All Models	6517			
G94 All Models	6549			
P76 All Models	6550			
P96 All Models	6551			
P260 All Models	6552			
G78 All Models	6627			
E94 All Models	6634			
P77 All Models	6639			
P97 All Models	6651			
P275 All Models	6652			
E51 All Models	6333	MN04	14J1537	14J1538

Machine Description	Machine Type	Pac No.	Hardcopy (HC) ServicePac Part No.	Electronic (E) ServicePac Part No.
IBM xSeries server – 3 year onsite, with 7 day, 24 hour cover. 4 hour typical response time				
xSeries 370	8681	PC28	14J1315	14J1322
xSeries 240	8664	PC29	14J1316	14J1323
xSeries 250	8665	PC31*	14J1318	14J1484
xSeries 200	8478	PC47*	14J1466	14J1474
xSeries 200	8479			
xSeries 220	8645			
xSeries 220	8646			
xSeries 220	8657			
xSeries 340	8656	PC49*	14J1468	14J1476
xSeries 330	8675			
xSeries 230	8658	PC51*	14J1470	14J1478
xSeries 360	8686			
xSeries 350	8682	PC53*	14J1472	14J1480
xSeries 300	8672	PC91*	29P0267	29P0268
xSeries 330	8654			
xSeries 330	8674			
xSeries 380	8683	PC93*	N/A	29P0281
xSeries 232	8668	PC95*	87H8623	87H8622
xSeries 342	8669			
xSeries 345	8670			
xSeries 235	8671			
xSeries 335	8676			
xSeries 225	8685			
xSeries 200	8481	PC99*	N/A	61P7242
xSeries 343	8827	PC113*	N/A	61P7347
xSeries 440	8687	PC105*	N/A	61P7343
xSeries 205	8480	PC121*	N/A	61P7393
xSeries 305	8673			
xSeries 225	8647	PC124*	61P7455	61P7418
xSeries Blade	8677	PC139*	N/A	61P7613
xSeries Blade	8678	PC145*	N/A	61P7625
xSeries Blade	8832			

IBM xSeries server – 4 year onsite service, with 7 day, 24 hour cover. 4 hour typical response time				
Netfinity 3xxx /xS200	8478	PC166*	N/A	96P2379
xSeries 200	8479			
Netfinity 3xxx /xS200	8645			
xSeries 220	8646			
Netfinity 3500 M20	8657			
Netfinity 5100 / xS230	8658	PC170*	N/A	96P2387
xSeries 360	8686			
xSeries 300	8672	PC174*	N/A	96P2395
xSeries 330	8674			
xSeries 330	8654			
xSeries 232	8668	PC178*	N/A	96P2403
xSeries 342	8669			
xSeries 255	8685			
xSeries 235	8671			
xSeries 345	8670			
xSeries 335	8676			
xSeries 205	8480	PC191*	N/A	96P2656
xSeries 305	8673			
xSeries 225	8647	PC195*	N/A	96P2664

* please note: Monitors & flat panel displays are not covered in these ServicePacs

IBM xSeries server – 5 year onsite service, with 7 day, 24 hour cover. 4 hour typical response time				
Netfinity 3xxx /xS200	8478	PC168*	N/A	96P2383
xSeries 200	8479			
Netfinity 3xxx /xS200	8645			
xSeries 220	8646			
Netfinity 3500 M20	8657			
Netfinity 5100 / xS230	8658	PC172*	N/A	96P2391
xSeries 360	8686			
xSeries 300	8672	PC176*	N/A	96P2391
xSeries 330	8674			
xSeries 330	8654			
xSeries 232	8668	PC180*	N/A	96P2407
xSeries 342	8669			
xSeries 255	8685			
xSeries 235	8671			
xSeries 345	8670			
xSeries 335	8676			
xSeries 205	8480	PC192*	N/A	96P2658
xSeries 305	8673			
xSeries 225	8647	PC196*	N/A	96P2666

IBM xSeries server – 3 year onsite service, business hours. 4 hour typical response time				
xSeries 240	8664	PC30	14J1317	14J1324
xSeries 250	8665	PC32*	14J1319	14J1483
xSeries 370	8681	PC36*	14J1329	14J1331
xSeries 200	8478	PC46*	14J1465	14J1473
xSeries 200	8479			
xSeries 220	8645			
xSeries 220	8646			
xSeries 220	8657			
xSeries 340	8656	PC48*	14J1467	14J1475
xSeries 330	8675			
xSeries 230	8658	PC50*	14J1469	14J1477
xSeries 360	8686			
xSeries 350	8682	PC52*	14J1471	14J1479
xSeries 300	8672	PC92*	29P0264	29P0265
xSeries 330	8654			
xSeries 330	8674			
xSeries 232	8668	PC94*	87H8620	87H8619
xSeries 342	8669			
xSeries 345	8670			
xSeries 235	8671			
xSeries 335	8676			
xSeries 225	8685			
xSeries 200	8481	PC98*	N/A	61P7240
xSeries 343	8827	PC112*	N/A	61P7345
xSeries 205	8480	PC120*	N/A	61P7392
xSeries 305	8673			
xSeries 225	8647	PC123*	61P7454	61P7417
xSeries Blade	8678	PC142*	N/A	61P7619
xSeries Blade	8832			

* please note: Monitors & flat panel displays are not covered in these ServicePacs

IBM xSeries server – 4 year onsite service, business hours. 4 hour typical response time				
Netfinity 3xxx /xS200	8478	PC165*	N/A	96P2377
xSeries 200	8479			
Netfinity 3xxx /xS200	8645			
xSeries 220	8646			
Netfinity 3500 M20	8657			
Netfinity 5100 / xS230	8658	PC169*	N/A	96P2385
xSeries 360	8686			
xSeries 300	8672	PC173*	N/A	96P2393
xSeries 330	8674			
xSeries 330	8654			
xSeries 232	8668	PC177*	N/A	96P2401
xSeries 342	8669			
xSeries 255	8685			
xSeries 235	8671			
xSeries 345	8670			
xSeries 335	8676			
xSeries 205	8480	PC189*	N/A	96P2652
xSeries 305	8673			
xSeries 225	8647	PC193*	N/A	96P2660

IBM xSeries server – 5 year onsite service, business hours. 4 hour typical response time				
Netfinity 3xxx /xS200	8478	PC167*	N/A	96P2381
xSeries 200	8479			
Netfinity 3xxx /xS200	8645			
xSeries 220	8646			
Netfinity 3500 M20	8657			
Netfinity 5100 / xS230	8658	PC171*	N/A	96P2389
xSeries 360	8686			
xSeries 300	8672	PC175*	N/A	96P2397
xSeries 330	8674			
xSeries 330	8654			
xSeries 232	8668	PC179*	N/A	96P2405
xSeries 342	8669			
xSeries 255	8685			
xSeries 235	8671			
xSeries 345	8670			
xSeries 335	8676			
xSeries 205	8480	PC190*	N/A	96P2654
xSeries 305	8673			
xSeries 225	8647	PC194*	N/A	96P2662

IBM xSeries server – 3 year onsite, next business day response				
xSeries 205	8480	PC119*	61P7423	61P7391
xSeries 305	8673	PC125*	61P7424	61P7422
xSeries 225	8647	PC122*	61P7453	61P7416

IBM xSeries server – 4 year onsite, next business day response				
xSeries 205	8480	PC183*	N/A	96P2640
xSeries 305	8673	PC185*	N/A	96P2644
xSeries 225	8647	PC187*	N/A	96P2648

IBM xSeries server – 5 year onsite, next business day response				
xSeries 205	8480	PC184*	N/A	96P2642
xSeries 305	8673	PC186*	N/A	96P2646
xSeries 225	8647	PC188*	N/A	96P2650

* please note: Monitors & flat panel displays are not covered in these ServicePacs

Machine Description	Machine Type	Pac No.	Hardcopy (HC) ServicePac Part No.	Electronic (E) ServicePac Part No.
IBM IntelliStation – 3 year onsite, next business day response				
All models	6202 6204 6214 6803 6836 6846 6849 6850 6851 6868 6894	PC106*	N/A	61P7315

Machine Description	Machine Type	Pac No.	Hardcopy (HC) ServicePac Part No.	Electronic (E) ServicePac Part No.
IBM Expansion Units – 3 year onsite service, business hours. 4 hour typical response time				
EXP200	3530	PC38	14J1367	14J1373
EXP300	3531			
EXP500	3560			
EXP700	1740			
FAStT 200	3542	PC84	N/A	87H8540
FAStT 500	3552			
FAStT 700	1742			
LTO Models R20/220/LXU	3600	PC100	N/A	29P0391
LTO Model 109	3600	PC108	N/A	61P7265

IBM Expansion Units – 3 year onsite service, 7 day 24 hour cover. 4 hour typical response time				
EXP200	3530	PC39	14J1368	14J1374
EXP300	3531			
EXP500	3560			
EXP700	1740			
FAStT 200	3542	PC85	N/A	87H8541
FAStT 500	3552			
FAStT 700	1742			
LTO Models R20/220/LXU	3600	PC101	N/A	29P0393
LTO Model 109	3600	PC102	N/A	29P0414

IBM Expansion Units – 3 year onsite service, 7 day 24 hour cover, same day response				
RXE100	8684	PC103	N/A	61P7245

IBM Expansion Units – 5 year onsite service, 7 day 24 hour cover, same day response				
RXE100	8684	PC104	N/A	61P7247

180 Day Startup				
180 day of startup support on IBM eServer xSeries systems.	8684	PC110*	61P7383	N/A

- Provides remote telephone support on newly purchased IBM eServer xSeries systems. The ServicePac is valid within the first year after Server purchase, for a period of 180 days once registered.

Please note the new price structure:
E ServicePacs are in some cases now lower in price than the equivalent hardcopy ServicePac

Further information about any of the ServicePac services described can be found in the IBM announcement letters at www.ibmlink.ibm.com

IBM PCD Third Party Options Portfolio

The Third Party Options portfolio has been created to provide a strategic non IBM branded product set that enhances the existing IBM ThinkPad, ThinkCentre, ThinkVision and Think Accessories Brands.

The Third Party Options portfolio allows IBM to present a selection of non IBM products, enabling IBM Business Partners and Customers to order from IBM whilst leveraging the manufacturers' direct service and support capabilities.

Service

All Third Party Options carry standard service and warranty as supplied directly from the manufacturer of the product.

Please note that IBM does not provide service and warranty directly on any of the non - IBM branded products detail within the PCD Third Party Options Portfolio. Service and warranty offered by the named manufacturers' is outlined below. For further details contact the relevant manufacturer directly.

Neoware

EMEA Support Summary

- Warranty: Extended. 3 year. Return-to-Base.
- Tech Support: 1 year. Telephone. English Language.
- Hours of Operation: 9:00AM to 5:00PM GMT
- Telephone: +44 (0)1344 382164
- Authorized Countries: UK, France, Germany, Switzerland, Belgium, Denmark, Sweden, Finland, Netherlands, Norway, Spain, Portugal, and Italy. Austria, Ireland, Greece, Liechtenstein, Luxembourg,
- Return Address: Adtcom, Network Computing AG, Blegistrasse 11a/b, 6340 Baar, Switzerland. Direct +31 (0)33 479 3300

http://www.neoware.com

Kensington

Europe

Country	Phone
Austria	01-790-855-701
Belgium	02-275-0684
Denmark	35-25-87-62
Finland	09-2290-6004
France	01-7020-0041
Germany	0211-6579-1159
Ireland	01-601-1163
Italy	02-4827-1154
Netherlands	053-482-9868
Norway	22-70-82-01
Portugal	800-831-438
Spain	09-1662-3833
Sweden	08-5792-9009
Switzerland	01-730-3830
United Kingdom	0207-949-0119

E-mail support:
http://kensington.custhelp.com/cgi-bin/kensington.cfg/php/enduser/ask.php?p_cat_lvl1=8

Iomega

Warranty Validation:
http://www.iomega.com/support/warranty.html
Product warranty returns:
http://www.iomega.com/europe/support/english/returns.html

IBM is not responsible for the content held on Third Party websites.

Product Manufacturer	Product Description	Manufacturer Part code	IBM Part No
Neoware Systems	Eon 4000S Linux Based Thin Client Europe	BA-EON4000S-26E	31P8180
Neoware Systems	Eon 3000I Windows PC Based Thin Client Europe	BA-EON3000I-36E	31P9526
Neoware Systems	Eon Professional 6300T Windows XPe Based Thin Client Europe	BA-EON6300T-5E	73P2158
Neoware Systems	Eon Italian Keyboard & Italian Power Cord	KB-N-KIT-IT	31P6208
Neoware Systems	Eon UK Keyboard & UK Power Cord	KB-N-KIT-UK	31P6205
Neoware Systems	Eon Swiss-German Keyboard & Swiss Power Cord	KB-N-KIT-SG	31P6206
Neoware Systems	Eon Danish Keyboard & Danish Power Cord	KB-N-KIT-DA	31P6207
Neoware Systems	Capio 620 Windows CE.NET Based Thin Client Europe	CP4H-BB-D00	73P2157
Neoware Systems	Capio 610 Windows CE.NET Based Thin Client Europe	CP4G-BB-D00	31P9736
Neoware Systems	Capio 508 Linux Based Thin Client Europe, with ezRemote manager	CP4A-AA-D00	31P9735
Neoware Systems	Capio & Eon French Keyboard	KB-N-STD-FR	31P6209
Neoware Systems	Capio & Eon German Keyboard	KB-N-STD-GE	31P6210
Neoware Systems	Capio & Eon Norwegian Keyboard	KB-N-STD-NO	31P6213
Neoware Systems	Capio & Eon Dutch Keyboard	KB-N-STD-DU	31P6212
Neoware Systems	Capio & Eon US Keyboard	KB-N-STD-US	31P7598
Neoware Systems	Capio & Eon Portugese Keyboard	KB-N-STD-PO	31P6217
Neoware Systems	Capio & Eon Spanish Keyboard	KB-N-STD-SP	31P6216
Neoware Systems	Capio & Eon Belgium Keyboard	KB-N-STD-BE	31P6211
Neoware Systems	Capio & Eon Swiss/Finish Keyboard	KB-N-STD-SW	31P6214
Neoware Systems	CAPIO Danish Keyboard & Danish Power Cord	KB-NC5-KIT-DA	73P2161
Neoware Systems	CAPIO Swiss-German Keyboard & Swiss Power Cord	KB-NC5-KIT-SG	73P2160
Neoware Systems	CAPIO Italian Keyboard & Italian Power Cord	KB-NC5-KIT-IT	73P2162
Neoware Systems	CAPIO UK Keyboard & UK Power Cord	KB-NC5-KIT-UK	73P2159
Targus	DEFCON Fingerprint PC Card Authenticator	PA470E	31P8945
Iomega	Zip 750MB USB 2.0 Drive (UK)	32400	06P4088
Iomega	Zip 750MB Media – 3 Pack	32477	06P9994
Kensington	SlimMicrosaver Keylock Bulk Pack (50 units in Box)	64083	31P9337
Bretford	Bretford Cart for TP – Italy	LAPTG -15TT-GM	22P8650
Bretford	Bretford Cart UK/Ireland	LAPTG -15KK-GM	33L5065
Bretford	Bretford Cart for TP – Swiss	LAPTG -15WW-GM	33L5066
Bretford	Bretford Cart for TP – Fra,Bel	LAPTG -15BB-GM	22P8651
Bretford	Bretford Cart for TP – Euro	LAPTG -15ZZ-GM	33L5067
Bretford	Bretford Cart for S.Africa	LAPTG -15FF-GM	22P8652

Another busy day at the office?

Working in an e-business is not a recipe for a quiet life. Each day there is more e-mail, better 3-D websites, an array of number crunching applications, instant messaging programs and on-screen alerts for your next meeting. It all takes its toll on your desktop PC – perhaps its time you gave it a helping hand.

Intel helps you work smarter

Intel brings its exclusive Hyper-Threading Technology (HT Technology) to the business desktop PC, meeting all these demands and giving users the power to do more at once. Pioneered on Intel's advanced server processors and supported now on the Intel® Pentium® 4 processor, HT Technology empowers the PC client with advanced performance that delivers immediate value.

Hyper-Threading on your desktop means:

- Background tasks stay in the background - security and virus scans won't slow your day-to-day work.
- Less waiting for your PC to respond as application tasks can process two "threads", so more work gets done in less time on your desktop.
- Intensive work, such as opening large image-rich presentation files can be handled quickly and more efficiently.
- You can get to that all important meeting on-time, with the data, reports and presentation you promised would be ready.

When tested, a Hyper-Threading enabled PC functioned significantly faster.

A performance improvement of 85% was made when opening a large presentation file while background tasks were executing.

A safe place for the latest technology

Technology needs a safe, secure home on your desk. New IBM ThinkCentre desktops give you enhanced security with a steel tool-less chassis that's durable, strong and easy to service.

A security slot for an optional Kensington lock is built into the chassis and selected models also feature the IBM embedded security subsystem (ESS) for local encryption of files (download required) giving your data the full benefit of hardware and software based protection.

Need more information?

intel.com/info/hyperthreading

IBM United Kingdom Ltd
Normandy House
PO Box 32
Bunnian Place
Basingstoke
RG21 7EJ
United Kingdom

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